



# KORISNIČKI PRIRUČNIK ZA SPARKSHAREBOXEV I CUBE

# USER MANUAL FOR SPARKSHAREBOXEV AND CUBE

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# PRIRUČNIK ZA INSTALACIJU:

## - SPARKSHARE BOXEV

## - SPARKSHARE CUBE

### UPOZORENJA I SIGURNOSNE NAPOMENE

#### OPĆA SIGURNOSNA UPOZORENJA ZA SPARKSHARE EV PUNJAČE

**Pročitajte sve upute prije upotrebe:** Pobrinite se da u potpunosti razumijete sve upute za instalaciju i uporabu BOXEV-a i CUBE-a (*u daljnjem tekstu Sparkshare EV punjač*) prije nego što ga instalirate i počnete koristiti.

**Nadzor u prisutnosti djece:** Sparkshare EV punjač treba nadgledati kada se koristi u blizini djece kako bi se spriječila nenamjerna aktivacija ili nesreća.

**Zaštite napojnog kruga:** Napojni krug Sparkshare EV punjača mora biti adekvatno uzemljen. Napojni krug Sparkshare EV punjača mora biti zaštićen odgovarajućom zemljospojnom zaštitom (FID sklopka, tip-B, 30mA) i osiguračem nazivne struje u skladu s presjekom napojnog kabela, i podešenom maksimalnom strujom Sparkshare EV punjača (preporučena B karakteristika max 32A).

**Opasna mjesta:** Nemojte instalirati ili koristiti Sparkshare EV punjače u blizini zapaljivih, eksplozivnih ili agresivnih materijala, kemikalija ili para.

**Isključite napajanje prije servisiranja:** Osigurajte beznaponsko stanje napojnog kruga Sparkshare EV punjača (npr. spuštanjem automatskog osigurača u napojnom krugu) prije instalacije, čišćenja i servisiranja, kako biste izbjegli opasnost od električnog udara.

**Parametri rada:** Sparkshare EV punjači koriste isključivo unutar specificiranih parametara radnog napona, struje i okolišnih uvjeta.

**Izloženost tekućinama:** Nikada ne prskajte vodu niti bilo koju drugu tekućinu izravno na Sparkshare EV punjač. Također, nemojte prskati tekućinu na ručku punjača niti ju uranjati u tekućinu. Uvijek sigurno odložite ručku za punjenje na kućište punjača i zaklopite ju gumenim čepom kako biste spriječili nepotrebnu izloženost vlazi ili kontaminaciji.

**Prestanite koristiti ako je oštećen:** Prestanite koristiti Sparkshare EV punjač ako pokazuje bilo kakve znakove oštećenja, poput pukotina, trošenja ili neispravnosti.

**Ne pokušavajte popravke:** Nemojte rastavljati, popravljati, mijenjati ili modificirati punjač Sparkshare EV punjač prije nego ste se detaljno upoznali s ovim korisničkim uputama. U slučaju potrebe za popravkom ili servisom Sparkshare EV punjača obratite se certificiranom Sparkshare partneru. Ako se ipak odlučite samostalno popravljati/servisirati Sparkshare EV punjač, za sve nejasnoće oko popravaka ili servisa obratite se proizvođaču.

**Postupajte s oprezom:** Prilikom transporta Sparkshare EV punjača, izbjegavajte izlaganje snažnim udarcima, silama ili naprezanjima (kao što su uvijanje, povlačenje ili gaženje kabela i kućišta) kako biste spriječili oštećenje.

**Strani predmeti:** Nemojte umetati strane predmete u bilo koji dio Sparkshare EV punjača.

**Neispravna instalacija:** Neispravna instalacija Sparkshare EV punjača mogu potencijalno oštetiti bateriju vozila ili sam punjač.

**Izbjegavajte ekstremne temperature:** Sparkshare EV punjači se ne smiju koristiti izvan temperaturnog raspona od -25°C do +50°C.

**Izbjegavajte izravnu sunčevu svjetlost i ekstremne vremenske uvjete:** Izbjegavajte izlaganje Sparkshare EV punjača izravnoj jakoj kiši, snijegu ili drugim ekstremnim vremenskim uvjetima.

**Zaštita kabela:** Pobrinite se da je kabel BOXEV-a postavljen na način koji sprječava gaženje, prelaženje, spoticanje ili bilo koji drugi način na koji se može oštetiti ili izložiti naprezanju.

**Čišćenje:** Nemojte koristiti otapala za čišćenje bilo kojeg dijela Sparkshare EV punjača. Povremeno obrišite vanjski dio Sparkshare EV punjača, a kabel za punjenje i ručku BOXEV-a očistite čistom, suhom krpom kako biste uklonili nakupljenu prljavštinu ili prašinu.

**Nadstrešnica:** Ukoliko je Sparkshare EV punjač na otvorenom, preporučuje se postavljanje nadstrešnice iznad iznad njega kako bi se zaštitio od izravne izloženosti kiši, snijegu, ledu i jakom suncu. Time se osigurava dugotrajan i pouzdan rad uređaja u svim vremenskim uvjetima.

**Ventilacija:** Sparkshare EV punjači ne podržavaju funkciju ventilacije koja je pretežito dostupna u DC EV punionicama veće snage.

1. **Upozorenje:** Napojni krug Sparkshare EV punjača mora biti adekvatno uzemljen, zaštićen odgovarajućom zemljospojnom zaštitom (FID sklopka, tip-B, 30mA) i osiguračem (*max 32A*).
2. **Upozorenje:** Svaki Sparkshare EV punjač mora biti zaštićen sa zasebnom FID sklopkom (nije dozvoljeno dijeliti jednu FID sklopku između više Sparkshare EV punjača).
3. **Upozorenje:** Koristite samo napon 230/400 V, 50Hz kao izvor napajanja Sparkshare EV punjača.
4. **Upozorenje:** Neispravna instalacija i uporaba Sparkshare EV punjača može potencijalno oštetiti bateriju vozila i/ili sam punjač. Bilo koja šteta nastala nepravilnim korištenjem Sparkshare EV punjača neće biti pokrivena garancijom.
5. **Upozorenje:** Nemojte koristiti Sparkshare EV punjač izvan temperaturnog raspona od -25°C do +50°C.
6. **Upozorenje:** Osigurajte odgovarajuću ventilaciju i držite Sparkshare EV punjač slobodnim od prepreka ili vanjskih faktora koji mogu uzrokovati pregrijavanje ili smanjenje performansi.



## VAŽNE SIGURNOSNE NAPOMENE PRIJE NASTAVKA

Budite oprezni tijekom instalacije kako biste izbjegli oštećenje bilo kojeg sklopa ili komponenti unutar Sparkshare EV punjača.

Pobrinite se da je dolazno napajanje sigurno isključeno prije spajanja Sparkshare EV punjača.

Obratite posebnu pozornost da je PE (zaštitno uzemljenje) stezaljka pravilno spojena te da je zaštitno uzemljenje napojnog kruga adekvatno izvedeno.

Nemojte ostavljati dijelove poput vijaka, brtvi, podložnih matica ili drugih metalnih predmeta unutar Sparkshare EV punjača.

Strogo je zabranjeno koristiti Sparkshare EV punjača ako su napojni kabel ili kabel ili kabel za punjenje prema automobilu oštećeni, puknuti, istrošeni, slomljeni ili ako je unutarnja izolacija ili bakrene žice izložene. Ako primijetite bilo kakvu štetu, molimo vas da nas kontaktirate i naručite novi dio putem [SparkShare webshop-a](#) što je prije moguće.

Zabranjeno je napajati Sparkshare EV punjač produžnim kabelom ili neadekvatnom improviziranom instalacijom.

Preporučujemo da zamjenu obavi kvalificirano osoblje. Ako se ipak odlučite na samostalni popravak svog uređaja, važno je da se detaljno upoznate s ovim uputama, posebice s poglavljima: Upozorenja i sigurnosne napomene, Što se nalazi u kutiji, Koraci za instalaciju i Električna shema ožičenja.

Preporučujemo da se rutinski sigurnosni pregledi Sparkshare EV punjača provode barem jednom tjedno.

Preporučujemo da obratite pozornost na visinu montaže Sparkshare EV punjača, tako da ručka punjača (ili Type 2 utičnica u slučaju CUBEa) bude 0,5-1,5m iznad tla kako bi bila dostupna osobama u invalidskim kolicima.

## Sparkshare BOXEV

OPIS	SPECIFIKACIJA
Maksimalna Snaga	-3P = 22 kW (32 A po fazi) -1P = 7,4 kW (32 A)
Napon	230/400 V (50 Hz)
Struja	32 A po fazi (1P/3P)
Kabel (EV)	6 m (Type 2)
Dimenzije	38x38x14 cm
Masa	5 kg
Radna temperatura	Min = -25°C Max = 50°C
Temperatura skladištenja	Min = -40°C Max = 75°C
Tehnička sukladnost	CE, IEC 61851-1:2017, EMC
Montaža	Unutarnja/vanjska - Zid, stup
Zaštita od električnog udara	Klasa II
Mod punjenja	Mod 3

## Sparkshare CUBE

OPIS	SPECIFIKACIJA
Maksimalna Snaga	-3P = 22 kW (32 A po fazi) -1P = 7,4 kW (32 A)
Napon	230/400 V (50 Hz)
Struja	32 A po fazi (1P/3P)
Utičnica (EV)	Type 2 plug
Dimenzije	20x20x20 cm
Masa	5 kg
Radna temperatura	Min = -25°C Max = 50°C
Temperatura skladištenja	Min = -40°C Max = 75°C

<b>Tehnička sukladnost</b>	<b>CE, IEC 61851-1:2017, EMC</b>
<b>Montaža</b>	<b>Unutarnja/vanjska - Zid, stup</b>
<b>Zaštita od električnog udara</b>	<b>Klasa I</b>
<b>Mod punjenja</b>	<b>Mod 3</b>

## **SAMOPROVJERA I OPORAVAK**

Ručno testiranje i resetiranje nije potrebno.

Ako dođe do kvara/zemljospoja, vanjska FID sklopka ili osigurač isklapaju kvar. Kada je kvar otklonjen i napajanje ponovno uspostavljeno, Sparkshare EV Punjač će se uključiti i ponovno pokrenuti. Ako je do prekida napajanja došlo tokom punjenja, Sparkshare EV punjač će ponovno pokrenuti punjenje.

## **PODJELA OPTEREĆENJA**

SparkShare "Load management" omogućava napajanje više EV punjača iz istog napojnog kruga tako postavljanjem najveće dozvoljene ukupne snage punjenja za grupu punjača. Punjači međusobno komuniciraju i automatski dijele dostupno opterećenje, osiguravajući punjenje više vozila bez preopterećenja napojnog kruga (napajanje više Sparkshare EV punjača sa istog osigurača).

*Napomena: Neovisno o napajanju više Sparkshare EV punjača sa istog osigurača, svaki Sparkshare EV punjač mora biti zaštićen zasebnom FID sklopkom (nije dozvoljeno dijeliti jednu FID sklopku između više Sparkshare EV punjača).*

# MINIMALNI ZAHTJEVI

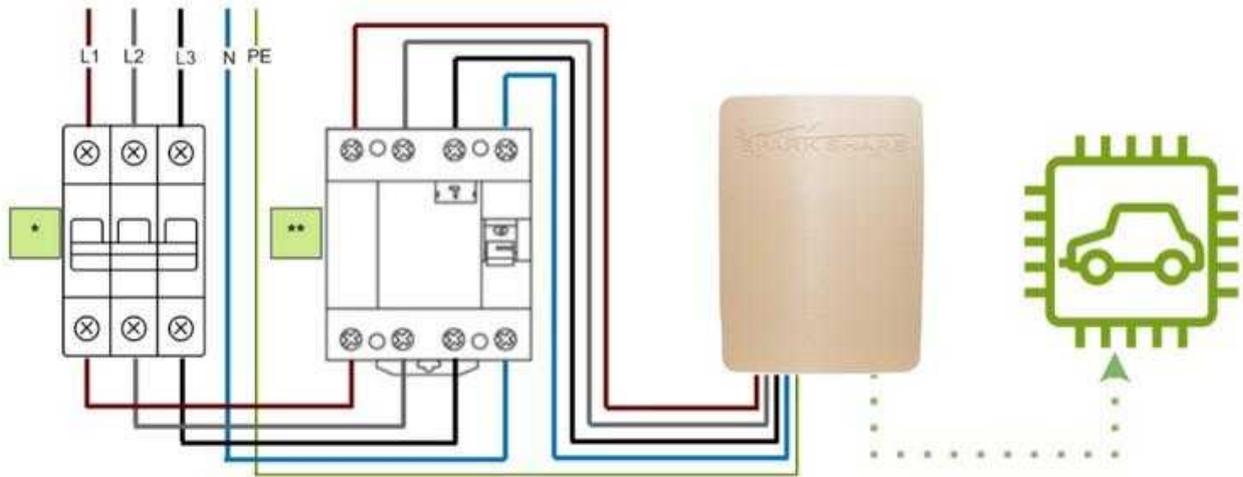
Instalacija Sparkshare EV punjača zahtijeva da:

1. Izračunate postojeće električno opterećenje kako biste odredili maksimalnu radnu snagu izvoda kojim želite napajati Sparkshare EV punjač. Sukladno maksimalnoj radnoj snazi odaberite osigurač preko kojeg ćete napajati Sparkshare EV punjač, a najviše 32A po fazi.
2. Osigurajte minimalni pad napona postavljanjem Sparkshare EV punjača što bliže Glavnom Razvodnom Ormaru (GRO).
3. Prikupite sve potrebne dozvole od nadležnih lokalnih vlasti i potvrdite da je inspekcija nakon završene instalacije obavljena od strane kvalificiranog električara.
4. Koristite samo bakrene vodiče.
5. Koristite vodiče koji su dimenzionirani u skladu s lokalnim propisima o elektroinstalacijama. Odabrani kabel mora biti sposoban podnijeti stalna opterećenja u skladu s podešenim maksimalnim opterećenjem (1.), a najviše 32A.
6. Koristite zaštitne uređaje. Zaštita napojnog kruga mora biti odabrana tako da uključuje **odgovarajuću zemljospojnu zaštitu (FID sklopka)** i zaštitu od preopterećenja/kratkog spoja (osigurač) prema odabranom električnom opterećenju.

Napomena: Posavjetujte se s električarom kako biste osigurali da instalacija udovoljava lokalnim propisima.

Korisnički priključak

\*Osigurač odabran prema presjeku vodiča i podešenju Sparkshare EV punjača(npr. 32A, 16A...)  
\*\* FID sklopka - Tip B, nazivna struja ista kao i osigurač izvoda, 30mA



# **INSTALACIJA SPARKSHARE BOXEV**

# ŠTO SE NALAZI U KUTIJI?

STAVKA	OPIS	KOLIČINA
	Brošura za instalaciju	1
	Kratki Vodič	1
	Unutarnja kutija	1
	Ukrasna maska	1
	Type 2 Kabel	1
	Plastična Zakovica	3

# POTREBNI ALATI

Za instalaciju BOXEV-a potrebni su sljedeći alati:

## Obavezno:

Električna bušilica



Svrđlo promjera 8mm



Kliješta za rezanje žice i  
skidanje izolacije



Vijak 3x8mm  
+ plastični tipl



Križni odvijač



10 Centi



## Opcionalno:

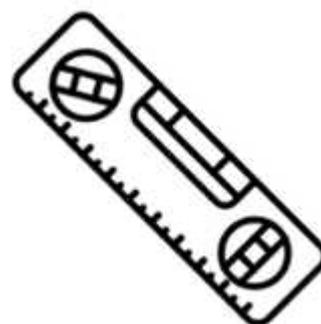
Mjerna traka



Detektor kabela



Vodena vaga



# KORACI ZA INSTALACIJU

**Upozorenje:** Nakon što provedete instalaciju do željene pozicije, spustite/isključite odgovarajući osigurač u glavnom krugu, ISKLJUČITE NAPAJANJE I POTVRDITE BEZNAPONSKO STANJE PRIJE NASTAVKA.

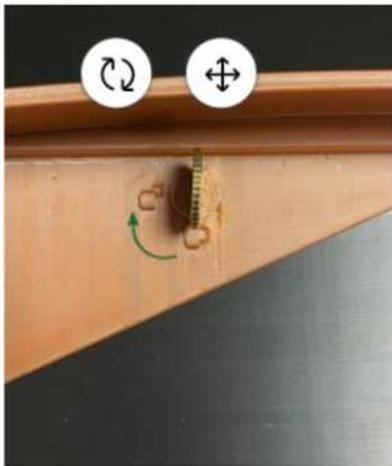
1. Uzmite Brošuru za instalaciju, na kojoj su označene rupe za bušenje i točke za montažu kutije. *Za osiguranje pravilnog postavljanja kutije, preporučuje se korištenje vodene vage.*
2. Označite točke za bušenje na zidu. *Preporučuje se korištenje detektora kabela kako biste provjerili ima li električnih instalacija, vodovodnih cijevi ili drugih prepreka ispod zida.*
3. Izbušite rupe odgovarajućim svrdlom (preporučena veličina 8mm).
4. Umetnite plastične tiple u izbušene rupe.
5. Uzmite BOXEV uređaj i odvrnite dvije plastične zakovice sa bočnih stranica uređaja kako biste oslobodili ukrasnu masku.
6. Pažljivo odvojite ukrasnu masku i otkačite kablčić za LED diode.
7. Odvrnite plastičnu zakovicu koja osigurava donji poklopac na dnu uređaja.
8. Pažljivo uklonite donji poklopac povlačenjem prema dolje.
9. Postavite kutiju na zid, poravnavajući je s prethodno izbušenim rupama.
10. Pričvrstite kutiju na zid vijcima.
11. Provucite napojni kabel kroz rupu na dnu kutije.
12. Spojite žice iz napojnog kabela na odgovarajuće stezaljke: L1, L2, L3, N, PE. (Pogledajte poglavlje Elektrotehnička shema ožičenja)  
*SNAP-IN stezaljke – gurnite žicu do kraja u stezaljku i stezaljka automatski zahvaća žicu. Za vađanje žice potrebno je do kraja pritisnuti narančastu zastavicu s gornje strane stezaljke.*
13. Vratite donji poklopac na mjesto povlačenjem prema gore te ponovno pričvrstite plastičnu zakovicu s donje strane.
14. Ponovno spojite konektor za LED diode (obratite pozornost na orijentaciju bijelog konektora).

15. Pažljivo vratite ukrasnu masku na unutarnju kutiju i pričvrstite dvije plastične zakovice sa obje strane uređaja.
16. Uključite napajanje uređaja na prethodno isključenom osiguraču.

**Struja punjenja Sparkshare EV punjača ograničena je na 6A po fazi (1,4/4,2 kW) dok se uređaj ne aktivira putem SparkShare aplikacije.**

## POSTUPAK OTVARANJA KUTIJE

1.

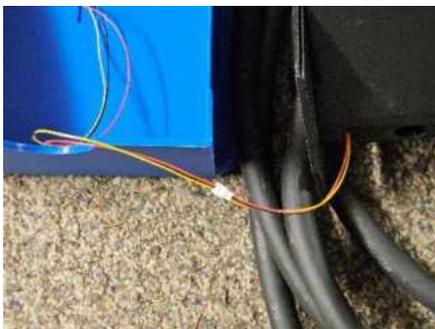


Umetnite kovanicu od 10 Centi u utor bočne plastične zakovice i okrenite ju u položaj "otključano" kao na slici te pažljivo izvucite plastičnu zakovicu.

Isti postupak ponovite in a drugoj strani

Kada izvadite obje plastične zakovice, pažljivo skinite ukrasnu masku povlačenjem prema sebi.

2.



Nakon skidanja ukrasne maske, konektor LED diode postaje dostupan. Odspojite ga kako bise oslobodili ukrasnu masku od unutarnje kutije.

3.



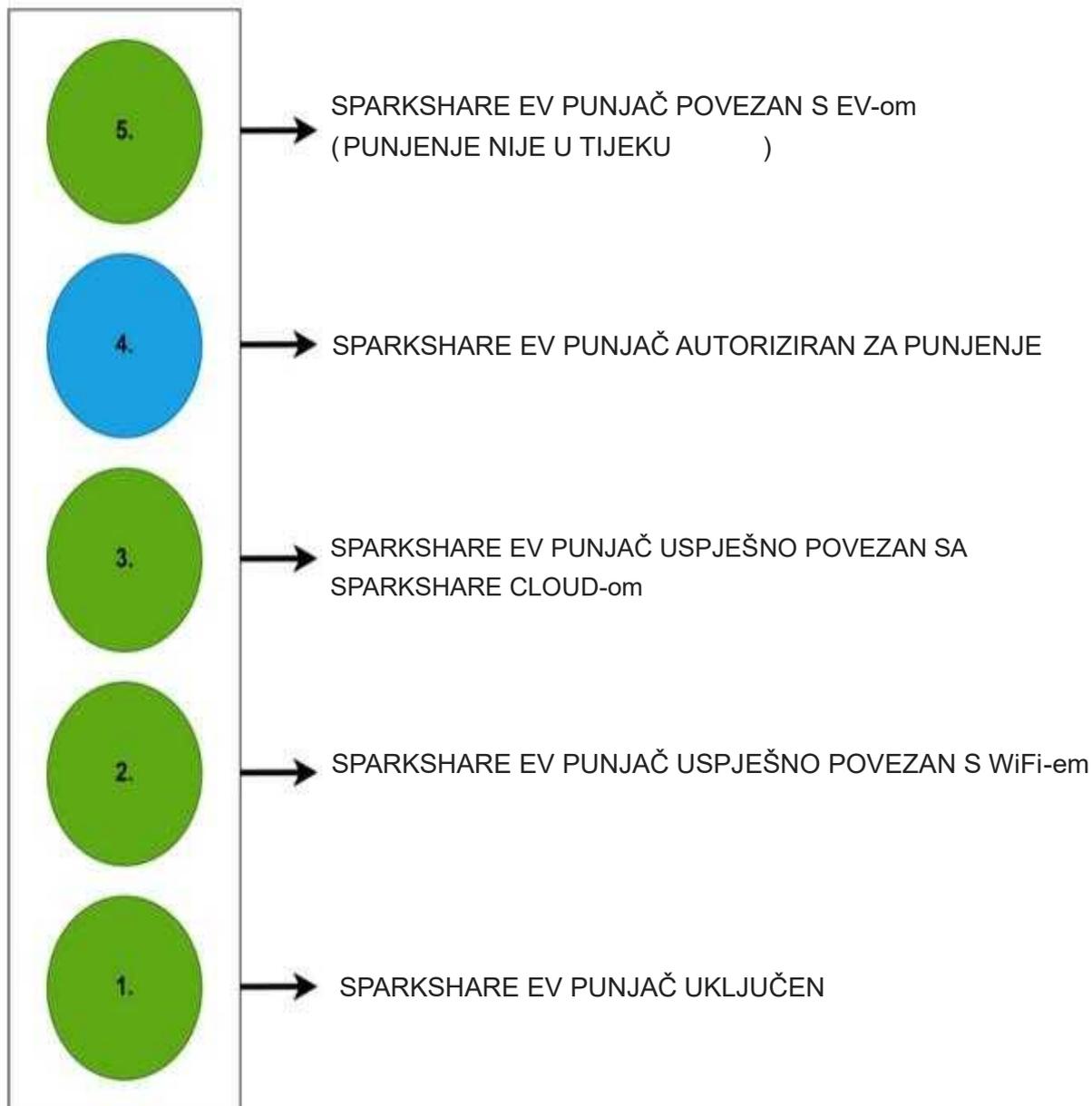
Nakon odvajanja ukrasne maske od unutarnje kutije, umetnite 10 Centi u plastičnu zakovicu s donje strane unutarnje kutije i okrenite u položaj "otključano".

Poklopac unutarnje kutije pažljivo svucite povlačenjem prema dolje.



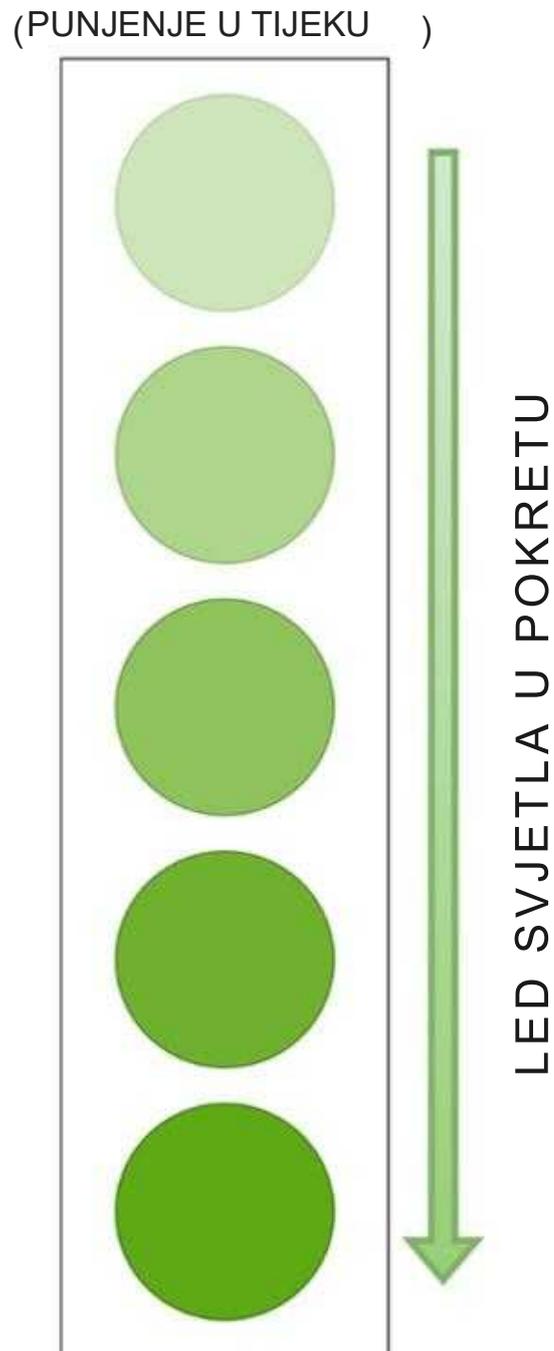
# OPIS LED INDIKACIJA - BOXEV

NORMALAN RAD



U slučaju softverske pogreške tijekom rada, LED broj 4 će zasvijetliti **CRVENO**. Nakon slanja podataka, LED broj 4 će nekoliko sekundi treptati **ŽUTOM** prije nego se Sparkshare EV punjač ponovno pokrene (restart).

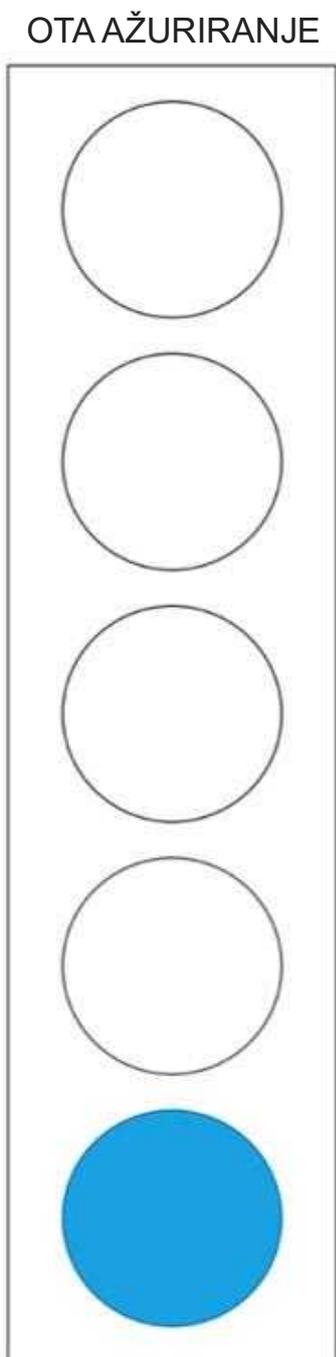
Kada se vozilo (EV) puni, LED diode svijetle jedna po jedna od 5 do 1, simulirajući protok struje prema vozilu (ZELENA).



Tijekom OTA (Over-the-Air) ažuriranja, LED broj 1 postaje **PLAV**. Ako je ažuriranje uspješno, LED broj 1 kratko svijetli **ZELENO**, zatim

ponovno **PLAVO**, a potom slijedi ponovno pokretanje uređaja (restart).

Ako dođe do pogreške tijekom OTA ažuriranja, LED broj 1 će se izmjenjivati između **PLAVE** i **CRVENE** boje. Vratit će se na **ZELENU** boju kad uređaj nastavi s radom.



# **INSTALACIJA SPARKSHARE CUBE**

# ŠTO SE NALAZI U KUTIJI?

STAVKA

OPIS

KOLIČINA



Brošura za instalaciju

1



Kratki Vodič

1



Sparkshare CUBE

1



Plastični vijak

3



Alat za zatezanje i  
otpuštanje vijaka

1



Tiplovi za montažu

3



Vijak za montažu

1



Kukice za montažu

2

# POTREBNI ALATI

Za instalaciju CUBE-a potrebni su sljedeći alati:

## Obavezno:

Električna bušilica



Kliješta za rezanje žice i  
skidanje izolacije



Križni odvijač



Svrđlo promjera 8mm



## Opcionalno:

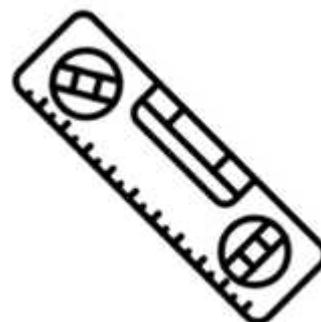
Mjerna traka



Detektor kabela



Vodena vaga



# KORACI ZA INSTALACIJU

**Upozorenje:** *Nakon što provedete instalaciju do željene pozicije, spustite/isključite odgovarajući osigurač u glavnom krugu, ISKLJUČITE NAPAJANJE I POTVRDITE BEZNAPONSKO STANJE PRIJE NASTAVKA.*

1. Uzmite brošuru za instalaciju, na kojoj su označene rupe za bušenje. *Za osiguranje pravilnog postavljanja, preporučuje se korištenje vodene vage.*
2. Označite točke za bušenje na zidu. *Preporučuje se korištenje detektora kabela kako biste provjerili ima li električnih instalacija, vodovodnih cijevi ili drugih prepreka iza zida.*
3. Izbušite rupe odgovarajućim svrdlom, preporučena veličina 8 mm.
  - Izbušite samo dvije gornje rupe za kukice te u njih gurnite dane tiple
  - U tiple zategnite dane kukice tako da prostor između kukice i zida bude oko 5 mm
  - Okačite CUBE na kukice te na zidu označite položaj rupe za vijak i označite položaj dolaza napojnog kabela na kutiji CUBE-a. *Obratite pozornost da dolazni kabel u CUBE može ući samo u za to predviđenom prostoru na zadnjoj strani kućišta.*
  - Skinite CUBE s kukica, izbušite rupu na označenom mjestu na zidu te u nju gurnite tiple, izbušite rupu na kutiji CUBE-a. *Rupa se obavezno mora nalaziti u za to predviđenom prostoru na zadnjoj strani kutije (pazite da izbušena rupa ne dodiruje rub naznačenog prostora).*
  - Vratite CUBE na kukice, poravnajte ga sa rupom za dolazni kabel i pričvrstite ga danim vijkom
4. Provućite napojni kabel.
5. Spojite žice iz napojnog kabela na odgovarajuće stezaljke: L1, L2, L3, N, PE. *Pogledajte poglavlje Strujna shema ožičenja.*
6. Vratite donji poklopac.

7. Ponovno pričvrstite plastične zakovice kako biste osigurali donji poklopac.
8. Uključite napajanje uređaja na prethodno isključenom osiguraču.

**Struja punjenja Sparkshare EV punjača ograničena je na 6A po fazi (1,4/4,2 kW) dok se uređaj ne aktivira putem SparkShare aplikacije.**

## POSTUPAK OTVARANJA KUTIJE (CUBE)



U rupu plastičnog vijka umetnite priloženi alat.



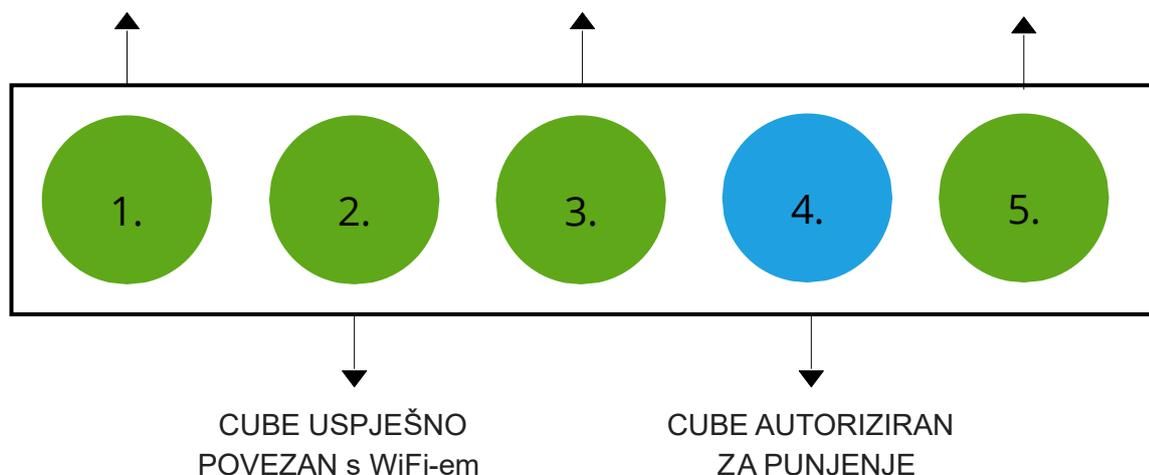
Odvrnite sva 3 vijka. Donji poklopac će se osloboditi te ga pažljivo povucite prema sebi.

# OPIS LED INDIKACIJA - CUBE

CUBE UKLJUČEN

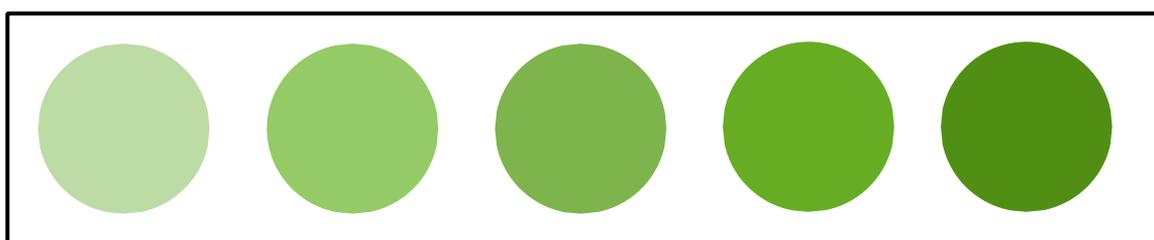
CUBE USPJEŠNO POVEZAN SA  
SPARKSHARE CLOUD-om

CUBE POVEZAN S EV-om  
(PUNJENJE NIJE U TIJEKU)



U slučaju softverske pogreške tijekom rada, LED broj 4 će zasvijetliti **CRVENO**. Nakon slanja podataka, LED broj 4 će nekoliko sekundi treptati **ŽUTOM** prije nego se uređaj ponovno pokrene (restart).

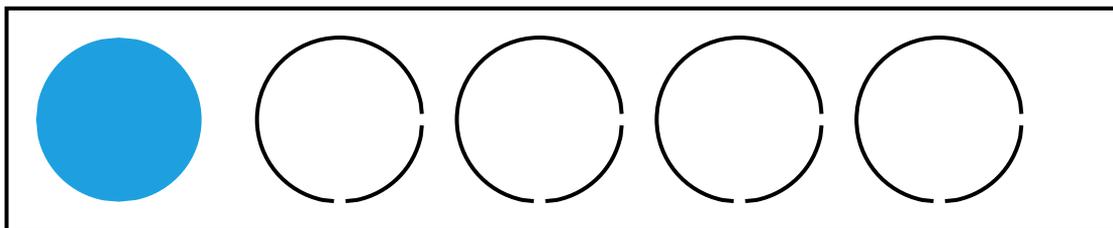
(PUNJENJE U TIJEKU)



LED SVJETLA U POKRETU

Kada se vozilo (EV) puni, LED diode svijetle jedna po jedna od 5 do 1, simulirajući protok struje prema vozilu (**ZELENA**).

## OTA AŽURIRANJA



Tijekom OTA (Over-the-Air) ažuriranja, LED broj 1 postaje **PLAV**. Ako je ažuriranje uspješno, LED broj 1 kratko svijetli **ZELENO**, zatim ponovno **PLAVO**, a potom slijedi ponovno pokretanje uređaja (restart).

Ako dođe do pogreške tijekom OTA ažuriranja, LED broj 1 će se izmjenjivati između **PLAVE** i **CRVENE** boje. Vratit će se na **ZELENU** boju kad uređaj nastavi s radom.



## **NAČINI RADA SPARKSHARE EV PUNJAČA**

## JAVNI PUNJAČ S NADZOROM I KONTROLOM

- Korištenje svih pogodnosti SparkShare mreže
- Javni prikaz punjača u mobilnoj aplikaciji
- Nadzor i kontrola putem mobilne aplikacije i/ili SparkShare portala
- Djeljenje električne energije s drugim korisnicima
- Pristup dodatnim mogućnostima mreže

Potrebno uključiti:

- **VIDLJIVO NA MAPI** (opcionalno – povećava vidljivost destinacije EV vozačima)
- **CLOUD**
- Postavljanje lokacije punjača
- Definiranje radnog vremena
- Unos cijene punjenja

Napomena:

- Ako punjač učinite vidljivim na mapi, povećavate šansu da vašu destinaciju otkriju vozači električnih vozila.



Punjač se može staviti na raspolaganje korisnicima:

- Besplatno
  - Uz naplatu
1. Naplata u stvarnom vremenu pomoću WTC tokena
  2. Naplata ili darivanje putem COMC kupona – vidi poglavlje “Izrada kupona”

**Stabilna WiFi veza je nužna kako bi se koristile napredne funkcije punjača (naplata, nadzor, itd.)!**

## **PRIVATNI PUNJAČ S NADZOROM I KONTROLOM - IZVAN SPARKSHARE MREŽE**

- Kontrola i nadzor punjača putem mobilne aplikacije i/ili SparkShare portala
- Korištenje punjača bez javnog prikaza drugim korisnicima u SparkShare mreži

Napomena:

- Punjač nije dio Sparkshare mreže (nije vidljiv na mapi drugim članovima Sparkshare zajednice)
- Ako je punjač predautoriziran, punjenje automatski započinje spajanjem punjača i automobila (bez dodatne autorizacije)
- U ovom načinu rada WTC tokenizacija nije moguća



## PUNJAČ BEZ NADZORA I KONTROLE

- Automatsko započinjanje punjenja odmah nakon priključenja vozila
- Bez nadzora i kontrole putem mobilne aplikacije i/ili SparkShare portala
- Bez pristupa informacijama o potrošnji ili drugim parametrima punjenja
- Nije potrebna WiFi veza



Napomena:

- Prije podešenja pomoću Sparkshare mobilne aplikacije, Sparkshare EV punjač ograničen je na 6A bez kontrole i nadzora.

# RJEŠAVANJE PROBLEMA

OPIS KVARA	PREPORUKA ZA POPRAVAK
<b>Sparkshare EV Punjač se ugasio</b>	Provjerite instalaciju. Ako nije došlo do nestanka napajanja iz mreže, provjerite osigurač i FID sklopku. Ako su u zatvorenom položaju, otvorite Sparkshare EV punjač i provjerite prisutnost napona na ulaznim stezaljkama koristeći voltmetar, multimetar, električarski izvijač (vibru) ili drugi odgovarajući alat. Ako je napon prisutan na ulaznim stezaljkama, a Sparkshare EV punjač je i dalje ugašen, moguće je da je Sparkshare EV punjač u kvaru te da kontaktirate lokalnog Sparkshare partnera.
<b>Sparkshare EV Punjač je vruć</b>	Temperaturni alarm prikazat će se u mobilnoj aplikaciji. Sparkshare EV punjač biti će operativan kada njegova temperatura padne na sigurnu razinu.
<b>Prenapon/Podnapon</b>	Obavijest o previsokom/preniskom naponu napajanja biti će prikazana u mobilnoj aplikaciji. Sparkshare EV punjač neće omogućiti početak punjenja dok se vrijednost dolaznog napona ne vrati unutar dopuštenog raspona.

<b>Problemi prilikom prve aktivacije</b>	Potrebno je putem Sparkshare mobilne aplikacije deaktivirati Sparkshare EV punjač iz mobilne aplikacije te ponovno napraviti proces aktivacije uređaja. (Vidi poglavlje <i>Deaktivacija uređaja</i> )
--	---

## ODRŽAVANJE

Kako bi se osigurala dugoročna stabilna funkcionalnost Sparkshare EV punjača, redovito ga održavajte (preporučljivo barem jednom mjesečno) u skladu s uvjetima okoline.

1. Sparkshare EV punjač se održava od strane stručnih osoba.
2. Provjerite je li Sparkshare EV punjač dobro uzemljen i siguran.
3. Provjerite postoje li potencijalni sigurnosni rizici u okolini Sparkshare EV punjača.
4. Provjerite ima li izvora visokih temperatura, korozije ili zapaljivih i eksplozivnih tvari u blizini Sparkshare EV punjača.
5. Provjerite imaju li ulazne stezaljke Sparkshare EV punjača dobar spoj s dolaznim kabelom i postoji li bilo kakva nepravilnost.

Molimo vas da se pridržavate sigurnosnih napomena; u suprotnom može doći do **opasnosti po život, ozljeda i oštećenja uređaja**, za što Sparkshare ili dobavljač ne preuzimaju odgovornost.

U slučaju zbrinavanja Sparkshare EV punjača, molimo vas da sortirate i reciklirate svoj otpad u skladu s lokalnim smjernicama za reciklažu.

# **UPUTE ZA SPARKSHARE MOBILNU APLIKACIJU**

# PREUZIMANJE

Preuzmite mobilnu aplikaciju koja je dostupna u:

[Apple App Store](#)



[Google Play Store.](#)



# REGISTRACIJA

Nakon preuzimanja aplikacije, potrebno se registirati na sljedeći način:

## Activation

Enter your mobile phone number

+385 ▾

Upišite broj  
mobilno  
telefon



Continue

Odaberit  
"Continue"

Kroz nekoliko sekundi putem SMS poruke dobit ćete kod za aktivaciju.



Dobiveni kod potrebno je upisati ovdje

Odaberite "Continue"

Unesite svoj novi PIN, a zatim ga potvrdite ponovnim unosom. Ovaj PIN će Vam biti potreban pri svakom budućem pristupu aplikaciji.

Activation

---

Enter your unique login PIN

— — — —

1	2	3
4	5	6
7	8	9
	0	

By creating a PIN, I confirm that I have read these Terms of Use and Privacy Policy and that I accept them

Activation

---

Repeat PIN entry

— — — —

1	2	3
4	5	6
7	8	9
	0	

By creating a PIN, I confirm that I have read these Terms of Use and Privacy Policy and that I accept them

# DODAVANJE PUNJAČA

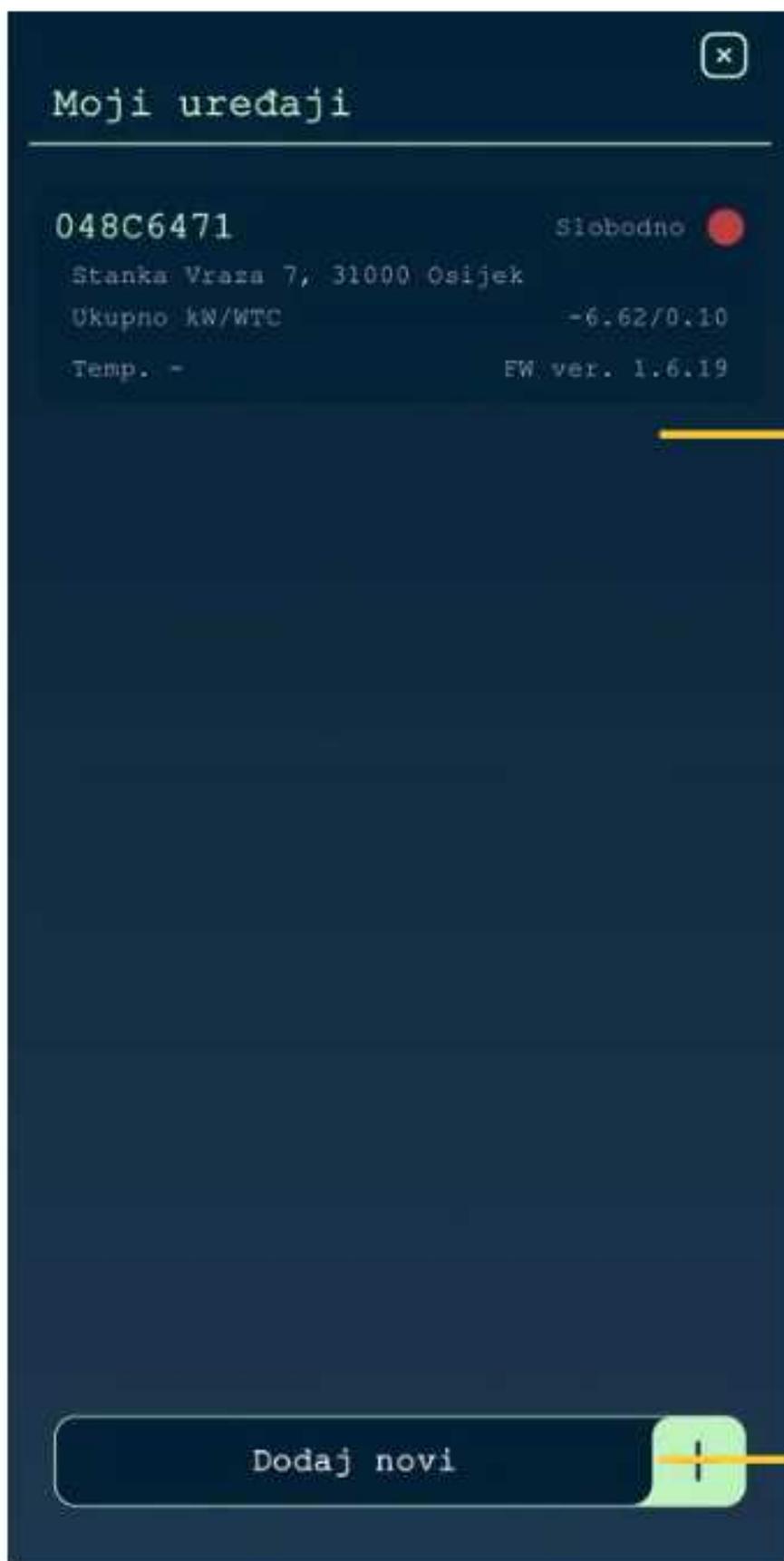
Uređaj je postavljen na **ograničenje od 6A!** Kako biste povećali kapacitet potrebno je **povezati uređaj s mobilnom aplikacijom.**



Na "Naslovnoj stranici" odaberite "Profil"



Odaberite  
"Moji uređaji"



Ukoliko imate jedan ili više uređaja, bit će prikazani ovdje

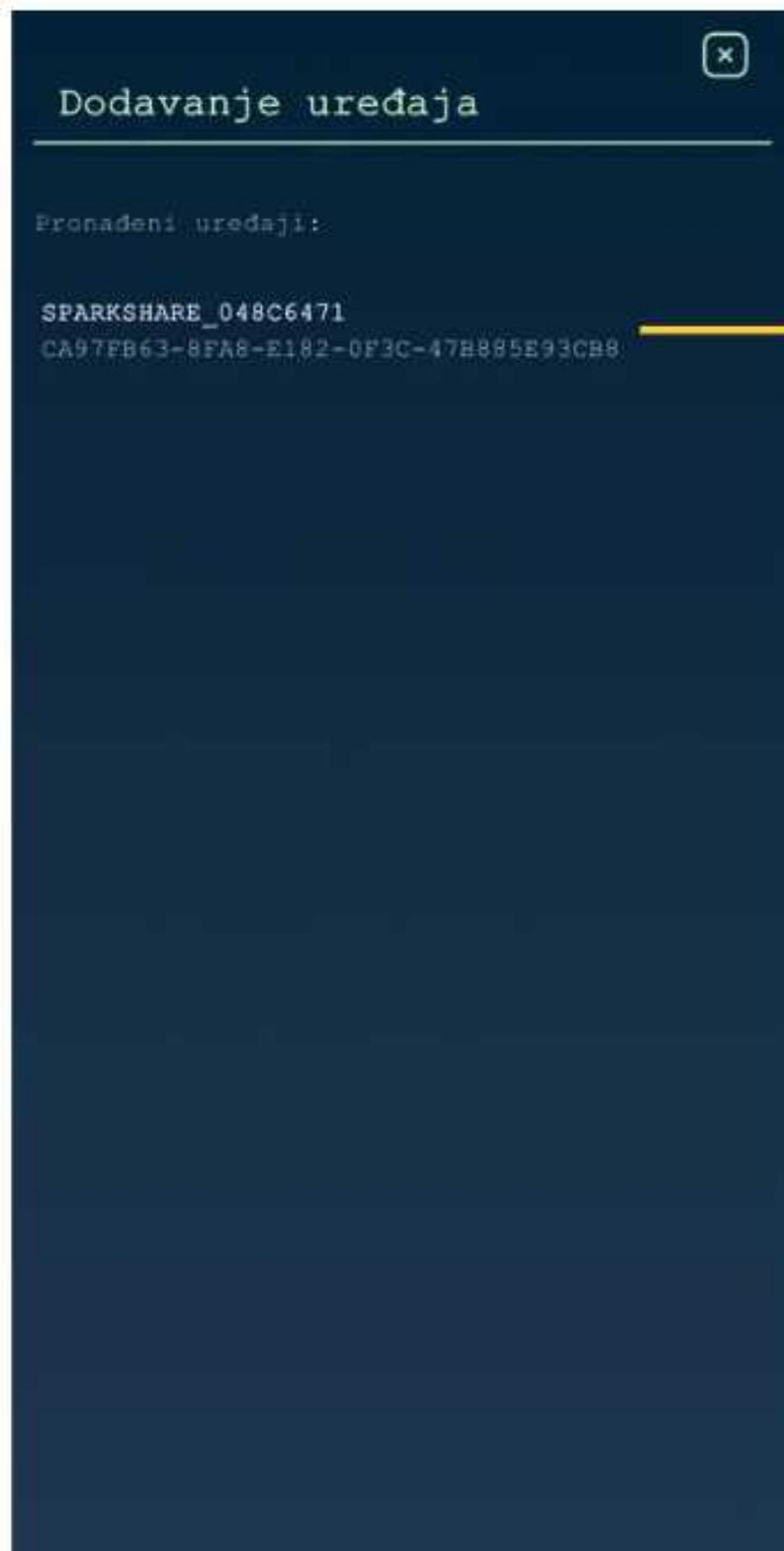
Ukoliko želite dodati još uređaja, odaberite "Dodaj novi"

Ukoliko nemate povezan uređaj sa svojim korisničkim računom, automatski će Vam se otvoriti prozor „Dodavanje uređaja“.



**Sparkshare EV punjač povezuje se s mobilnim telefonom putem Sparkshare mobilne aplikacije – NE KORISTITE BLUETOOTH FUNKCIJU IZ IZBORNIKA MOBILNOG TELEFONA ZA POVEZIVANJE SA SPARKSHARE EV PUNJAČIMA.**

Ukoliko odaberete „Pretraži Bluetooth“ otvorit će se prikazani prozor.



Odaberite uređaj koji želite dodati svom korisničkom računu

**Prilikom aktivacije Sparkshare EV punjača-a kroz mobilnu aplikaciju, punjač ne smije biti spojen na EV!**

Nakon odabira uređaja, otvorit će se prozor „Postavi WiFi“. U tom prozoru potrebno je unijeti podatke WiFi mreže s kojom će se uređaj povezati.



Postavi WiFi

Wi-Fi SSID

Wi-Fi lozinka

Postavi

Nakon unosa WiFi podataka, mobilna aplikacija i uređaj bit će povezani. Tada ćete moći konfigurirati dodani Sparkshare EV punjač.

✕

## Podaci o uređaju

Unesite opis uređaja 048C6471 koji će biti vidljiv korisnicima SparkShare mreže.

Aktivan

Postavi WiFi 

Lokacija 

Tip konektora punjaca 

Opis 

*SparkShare*

Naplata osobno

*SparkShare*

Radno vrijeme/Cijena 

*SparkShare*

Dodatne usluge 

*SparkShare*

Kontakt podaci 

Dodaj slike



Spremi konfiguraciju 

# PRETVORBA EUR-WTC

Unutar SparkShare zajednice, sredstvo praćenja razmjene energije su WTC tokeni. Uplata WTC tokena na Vaš Sparkshare račun odvija se na sljedeći način:



Na naslovnoj stranici odaberite označenu ikonu



Nakon odabira ikone +, otvorit će se "Doplata računa".

The screenshot shows a dark-themed mobile application interface for topping up an account. At the top, the title "Doplata računa" is displayed with a close button (X) in the top right corner. Below the title, the current exchange rate is shown as "1 EUR = 3.98 WTC". There are two horizontal sliders: the top one is labeled "EUR" and the bottom one is labeled "WTC", both with yellow arrows pointing to them from the right. Below these sliders is a card containing three input fields: "Broj kartice" (Card number), "Datum isteka" (Expiration date), and "CVV". A yellow arrow points from the left to the "Broj kartice" field. Below the input fields is a toggle switch labeled "Spremi karticu" (Save card), with a yellow arrow pointing to it from the right. At the bottom of the screen is a large button labeled "Potvrdi kupovinu" (Confirm purchase) with a checkmark icon on the right, and a yellow arrow points to it from the right.

U označeno polje unesite iznos u eurima koji želite uplatiti

Iznos u eurima bit će automatski preračunat u protuvrijednost u WTC tokenima

Unesite podatke kartice s koje će se izvršiti uplata

Uključivanjem opcije "Spremi karticu" podaci će biti spremljeni u aplikaciju što Vam može ubrzati proces uplate sredstava

Nakon unosa potrebnih podataka odaberite "Potvrdi kupovinu"

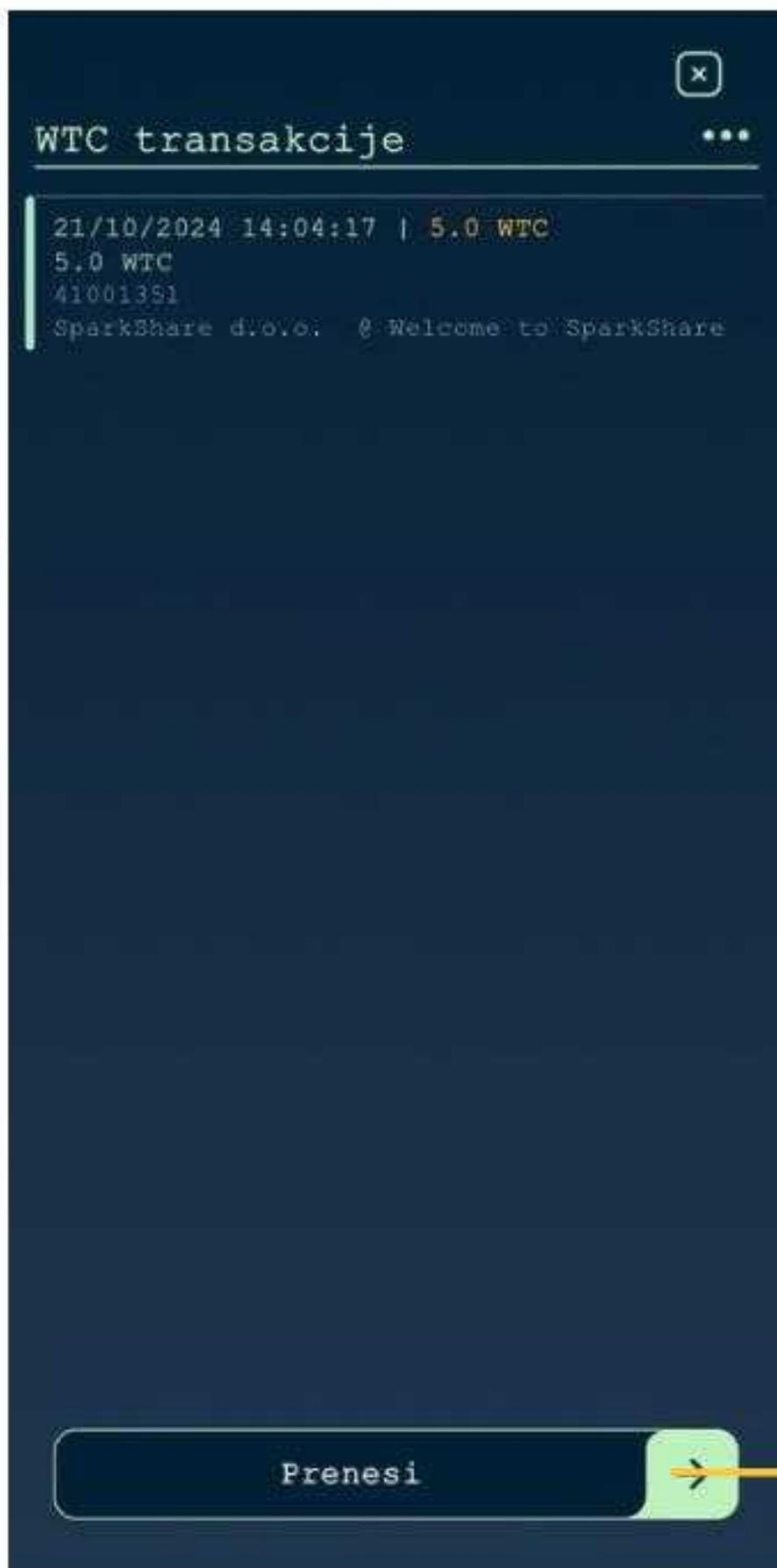
# PRIJENOS WTC TOKENA

Ukoliko želite prebaciti WTC tokene sa svoj računa na račun drugog člana SparkShare zajednice, koraci su sljedeći:



Na "Naslovnoj stranici" odaberite označenu ikonu

Nakon odabira prikazane ikone, otvorit će se popis WTC transakcija.







Odabirom opcije "Dodaj" u odjeljku "Prijatelji" možete iz svog imenika dodati osobe koje će biti uključene u brzo biranje, čime ćete omogućiti brže prebacivanje WTC tokena u budućim prijenosima

U označenom području moguće je pretražiti kontakte po imenu ili broju telefona

Prikazat će se svi Vaši kontakti, a pored onih koji imaju SparkShare aplikaciju bit će SparkShare logo

Nakon što među svojim kontaktima odaberete osobu prema kojoj želite izvršiti prijenos, otvorit će se sljedeći prozor:



# **PUNJENJE NA SPARKSHARE LOKACIJAMA ZA KORISNIKE BEZ SPARKSHARE EV PUNJAČA**

Ukoliko ne posjedujete Sparkshare EV punjač, punjenje Vašeg EV-a na SparkShare lokacijama je svakako moguće.

Potrebno je registrirati se u SparkShare mobilnu aplikaciju te uplatiti sredstva na svoj račun.



Za pokretanje punjenja, potrebno je na "Naslovnoj stranici" odabrati "Pokreni punjenje"

# DEAKTIVACIJA UREĐAJA



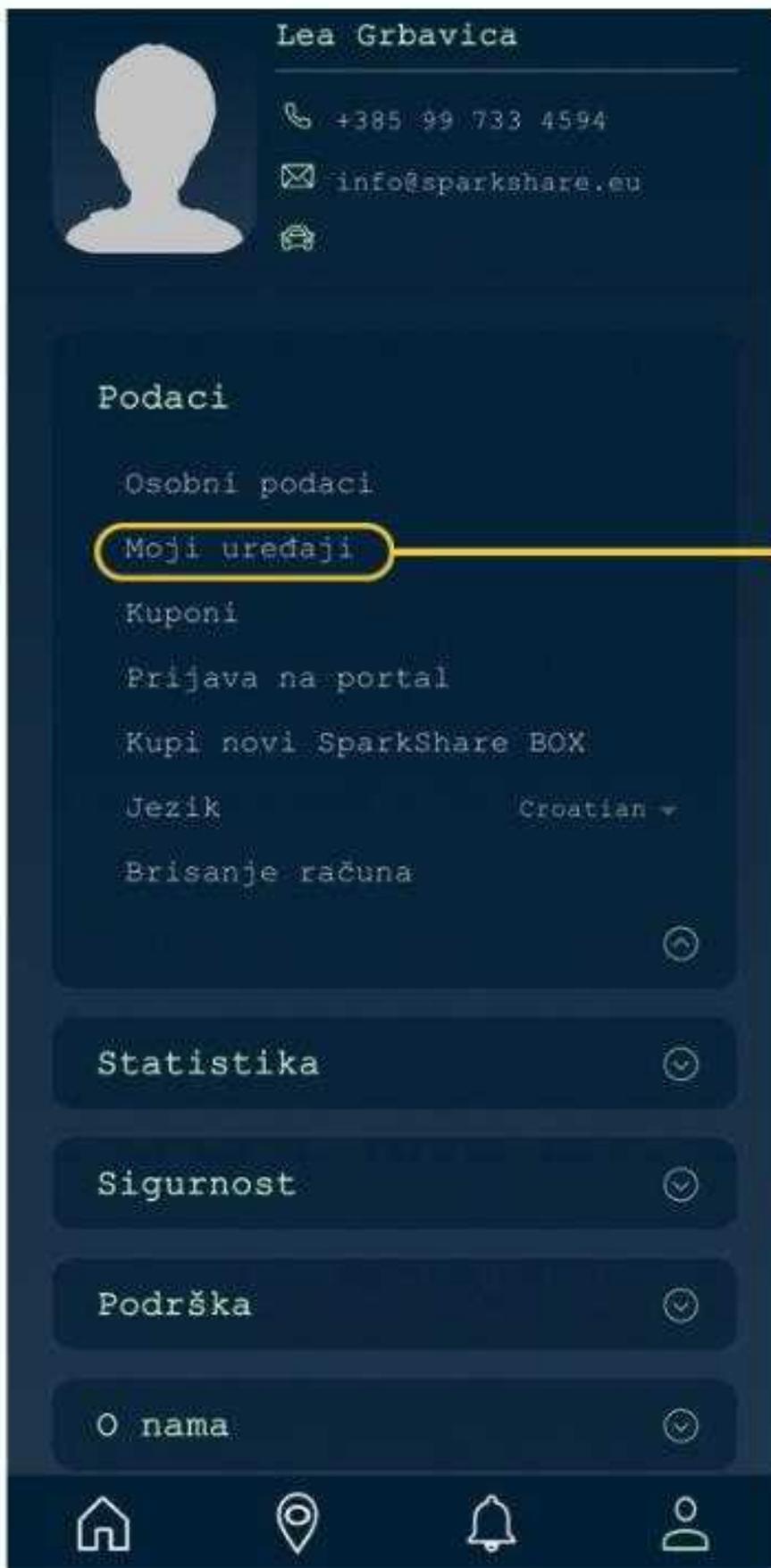
Na "Naslovnoj stranici" odaberite "Profil"

## Skeniranje QR koda



Približite Vaš mobilni uređaj  
naljepnici QR koda. Cijela oznaka treba  
biti unutar prikazanih rubova.  
Uključite bljeskalicu ako je potrebno.

Nakon odabira  
“Pokreni  
punjenje” otvorit  
će se prozor  
unutar kojeg je  
potrebno  
skenirati QR kod  
punjača nakon  
čega će punjenje  
započeti



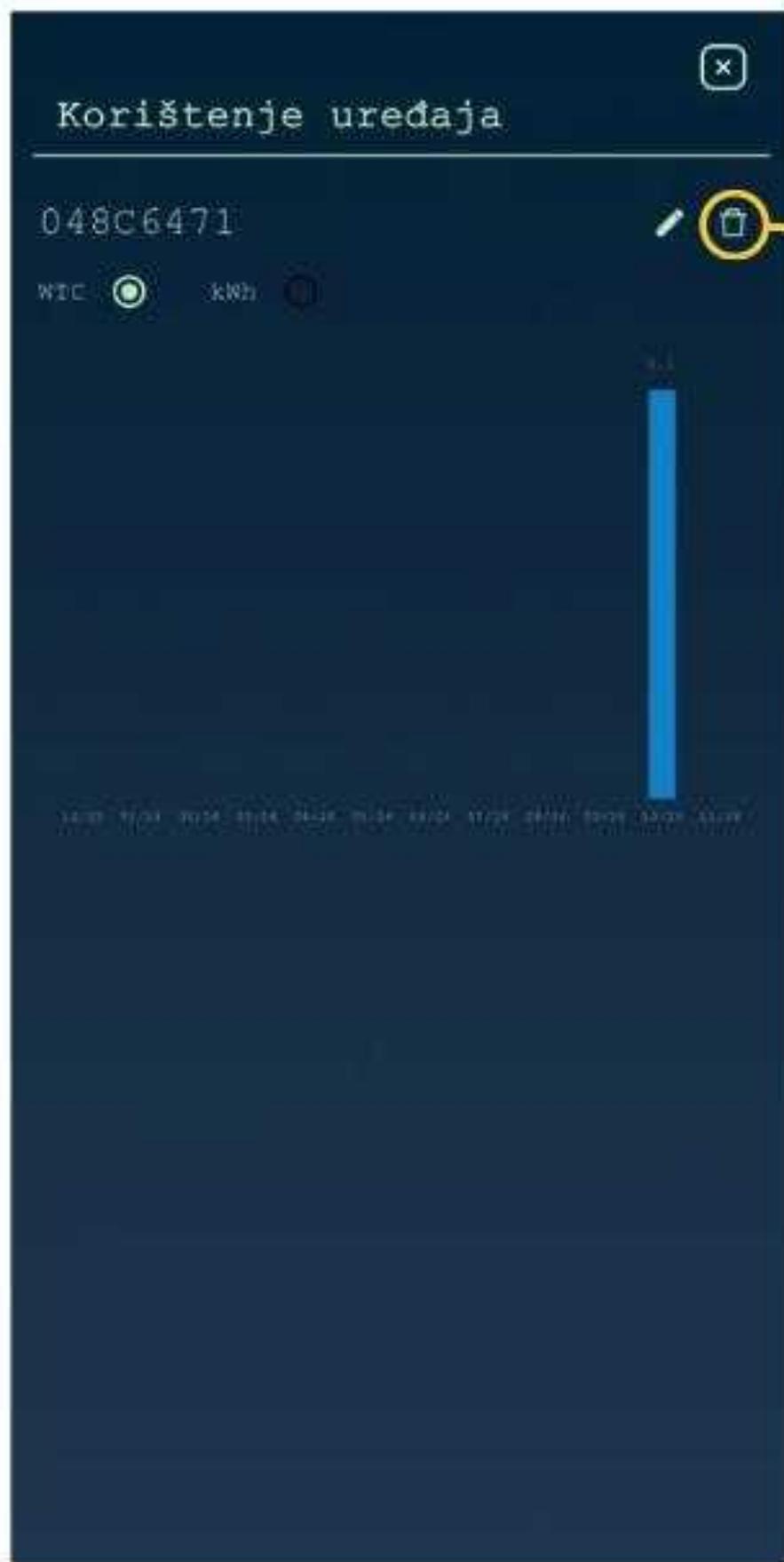
Odaberite  
"Moji uređaji"

Pod "Moji uređaji" prikazat će se svi uređaji povezani s korisničkim računom.





Odaberite uređaj  
za koji želite  
poduzeti određene  
radnje



Za deaktivaciju odabranog uređaja odaberite zaokruženu ikonu



## Deaktivacija uređaja

048C6471

Stanka Vraza 7, 31000 Osijek

Slobodno

Online status



Ukupno kW/WTC

0.0/0.0



Odaberite želite li samo deaktivirati uređaj sa svog korisničkog računa ili obrisati konfiguraciju uređaja ili vratiti uređaj na tvorničke postavke i deaktivirati sa svog računa:

Ukloni s računa



Ukloni i obriši podatke



Obriši konfiguraciju



Odabirom opcije "Ukloni s računa", uređaj će biti uklonjen s Vašeg računa. Svi prethodno uneseni podaci (opis, radno vrijeme, slike itd.) ostat će pohranjeni, što novom korisniku omogućuje jednostavnu aktivaciju bez ponovnog unosa informacija.



Odabirom opcije "Ukloni i obriši podatke", uređaj će biti uklonjen s Vašeg računa, a svi uneseni podaci (opis, radno vrijeme, slike itd.) bit će trajno izbrisani. Ova opcija je korisna u slučaju kada planirate prodati uređaj, jer osigurava da novi korisnik neće imati pristup Vašim podacima.



Odabirom opcije "Obriši konfiguraciju", svi podaci koji su uneseni za taj uređaj (opis, radno vrijeme, slike itd.) bit će trajno izbrisani. Ova opcija je korisna kada želite resetirati uređaj na početna podešavanja, primjerice, nakon što ste unijeli brojne izmjene i želite se vratiti na izvorno stanje.

# BRISANJE RAČUNA

Opcija “Brisanje računa” služi za trajno uklanjanje Vašeg korisničkog računa iz SparkShare aplikacije. Ovim postupkom će se deaktivirati svi uređaji povezani s Vašim računom.

Ova opcija korisna je kada ste, primjerice, instalirali SparkShare mobilnu aplikaciju, aktivirali je, koristili, a zatim odlučili da ju ne želite koristiti.



Na “Naslovnoj stranici” odaberite “Profil”



Na "Profilu"  
odaberite  
"Brisanje  
uređaja"





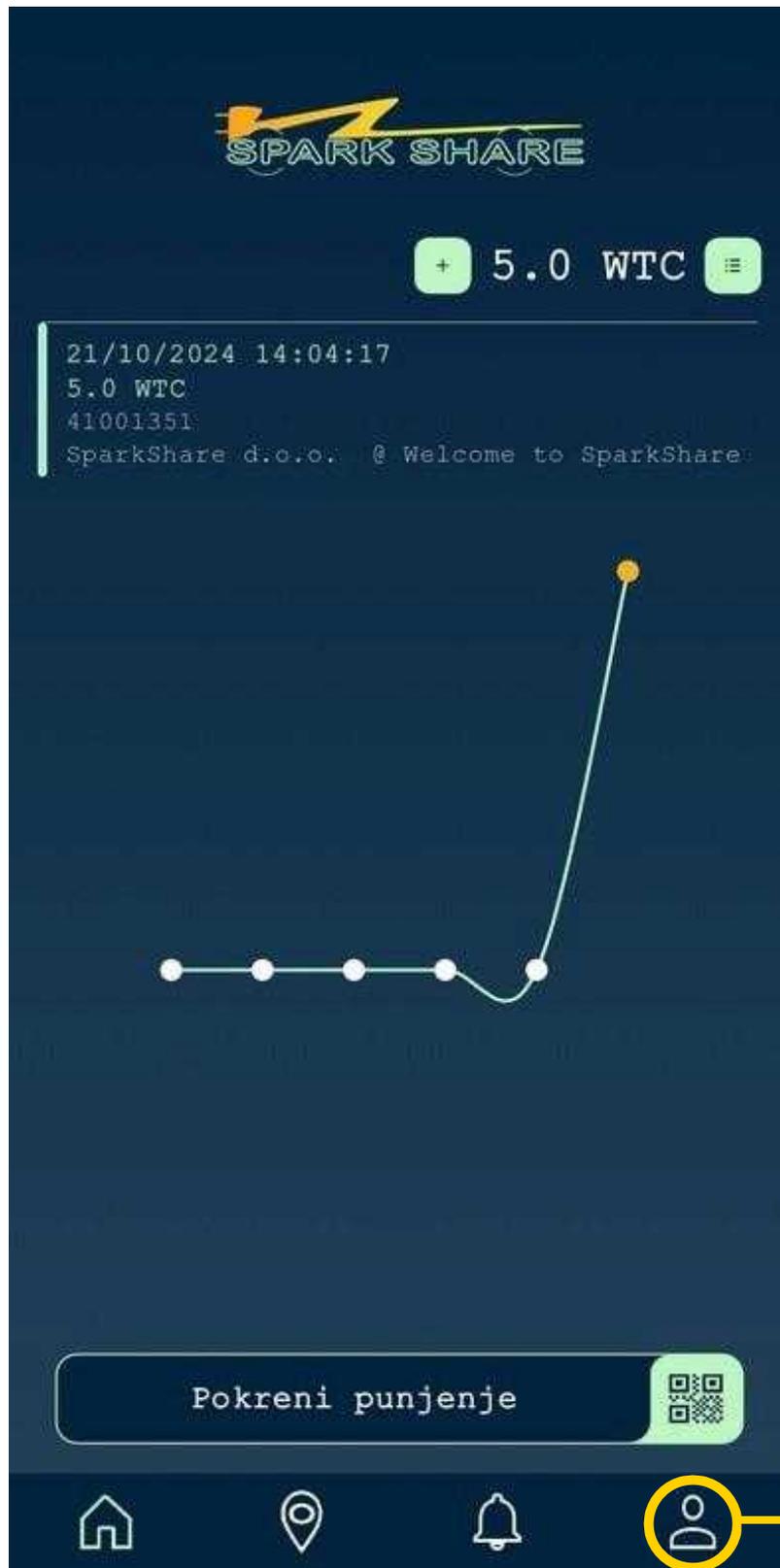
Otvorit će Vam se "Brisanje računa" gdje su navedeni uređaji povezani s Vašim korisničkim računom te Vaše stanje WTC-a na računu

Ukoliko želite obrisati sve od navedenog, odaberite "Obriši račun"

# **SPARKSHARE PORTAL**

## PRIJAVA NA SS PORTAL

Putem SparkShare mobilne aplikacije vrši se prijava na SparkShare Portal.



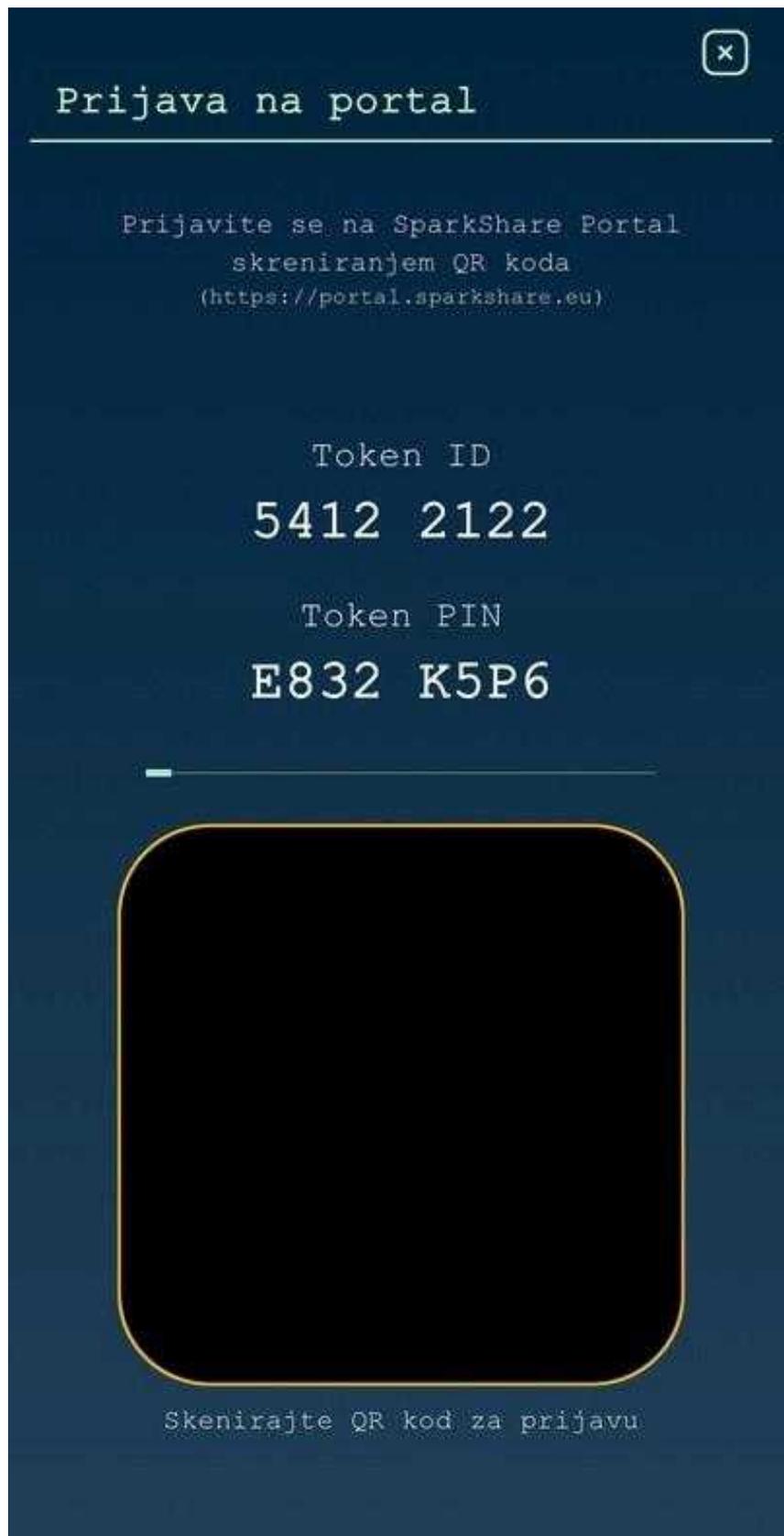
Na "Naslovnoj stranici" odaberite

“Profil”

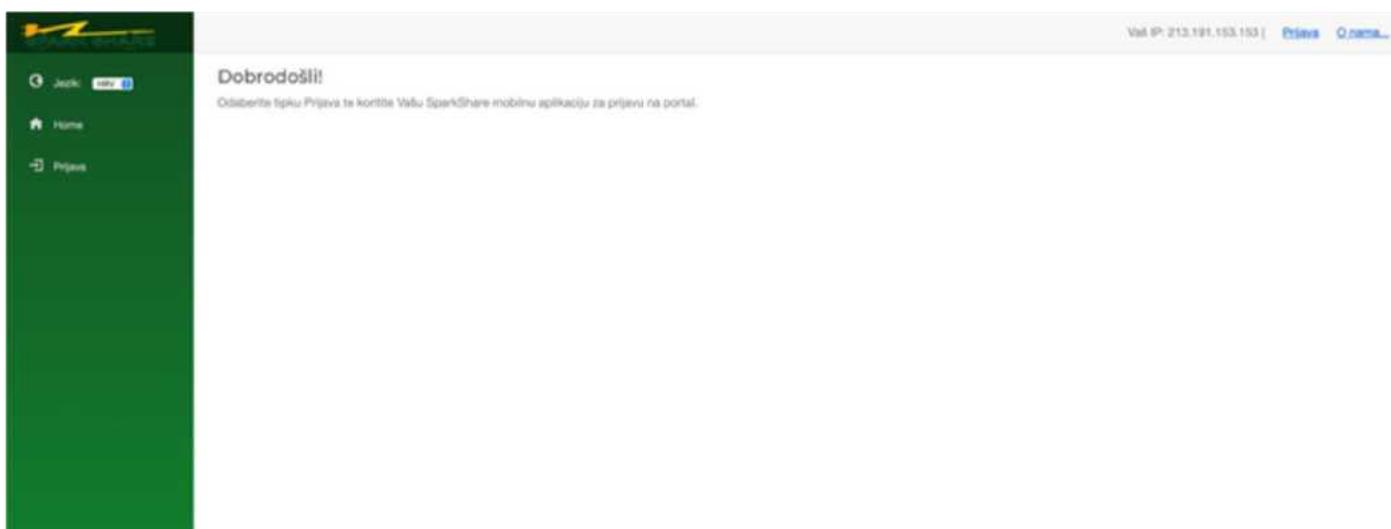


Odaberite  
“Prijava na  
portal”

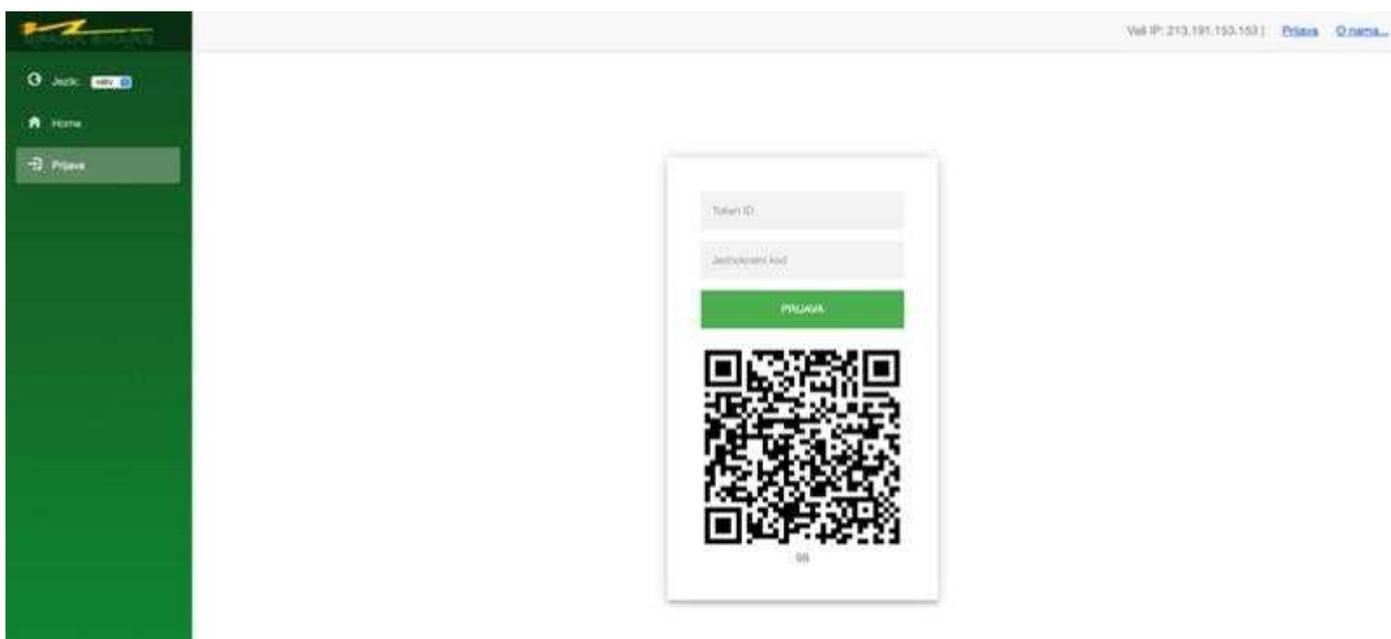
Nakon što odaberete opciju "Prijava na portal", otvorit će se prozor u kojem je potrebno skenirati QR kod.



Za pronalaženje QR koda, posjetite web stranicu SparkShare Portala (portal.sparkshare.eu)



Na početnoj stranici odaberite opciju "Prijava" u gornjem desnom kutu.



Mobilnom aplikacijom skenirate QR kod.

# SPARKSHARE BOX

## PODACI

U ovom izborniku imate detaljan pregled i kontrolu nad svojim punjačem, uključujući opcije kao što su ponovno pokretanje (Reboot), upravljanje najnovijim Firmware-om, kao i kontrolu samog procesa punjenja. Ovdje su prikazani svi relevantni podaci o Vašem punjaču, no napominjemo da podaci, poput informacija o proizvodnji, boji ukrasne kutije, kalibraciji napona i sličnih tehničkih karakteristika, nisu podložni izmjeni.

- Tipka Reboot: Odabirom ove opcije izvršit ćete ponovno pokretanje Vašeg uređaja. Koristite je s oprezom, jer je namijenjena rješavanju ozbiljnijih tehničkih poteškoća. Ne preporučuje se za manje probleme, jer nepotrebna upotreba može dovesti do gubitka podataka ili prekida rada sustava.
- Tipka Download QR: Klikom na ovu opciju aplikacija će preuzeti QR kod Vašeg punjača na Vaš uređaj te ga možete isprintati i postaviti na SparkShare box. Skeniranjem QR koda možete jednostavno započeti punjenje na Vašem uređaju.
- Tipka Print QR: Odabirom ove opcije možete ispisati QR kod svog punjača na predlošku koji uključuje upute za preuzimanje aplikacije, dodavanje sredstava i pokretanje punjenja. Ispod QR koda ( na stranici portala) nalazi se oznaka Start charge watermark koja omogućuje dodatnu prilagodbu predloška — možete odabrati vlastitu fotografiju kao pozadinu za QR predložak punjača.
- Tipka Edit: Klikom na ovu opciju možete postaviti vidljivost na mapi, lokaciju, tip konektora, opis, radno vrijeme, dodatne usluge,..

Ispod ovih tipki prikazani su detalji o uređaju, uključujući trenutnu verziju Firmware-a koja je instalirana na punjaču, kao i RegID Vašeg uređaja. Ovi podaci omogućuju bolji pregled stanja uređaja i održavanje njegove funkcionalnosti.

# HEARTBIT

Ovaj podizbornik omogućuje praćenje komunikacije uređaja prema cloud-u u stvarnom vremenu.

The screenshot displays the SparkShare HeartBIT interface. At the top, it shows the user's IP address (213.191.153.153) and the user ID (003859973345941). The main heading is "SparkShare uređaji". Below this, there is a dropdown menu for selecting a device, currently set to "048C6471". A navigation bar includes tabs for "Podaci", "HeartBIT", "Tren. punjenje", "DNS akcije", "Punjenja", "EVSE", "Int. mjerenja", "Kuponi", and "Mapa". The "HeartBIT" tab is active, showing a table of communication logs. The table has columns for "Id", "Sec No", "Vrijeme", "Odgovor", and "Odgovor DNS". The data shows a series of "Stay idle" responses with a "1.0.0.0" DNS response. A sidebar on the left contains various navigation options like "Jezik", "Home", "SparkShare box", "Promet računa", "Izdane fakture", "Prijavi problem", "Partner", "Profil", "Preuzimanja", and "Odljava".

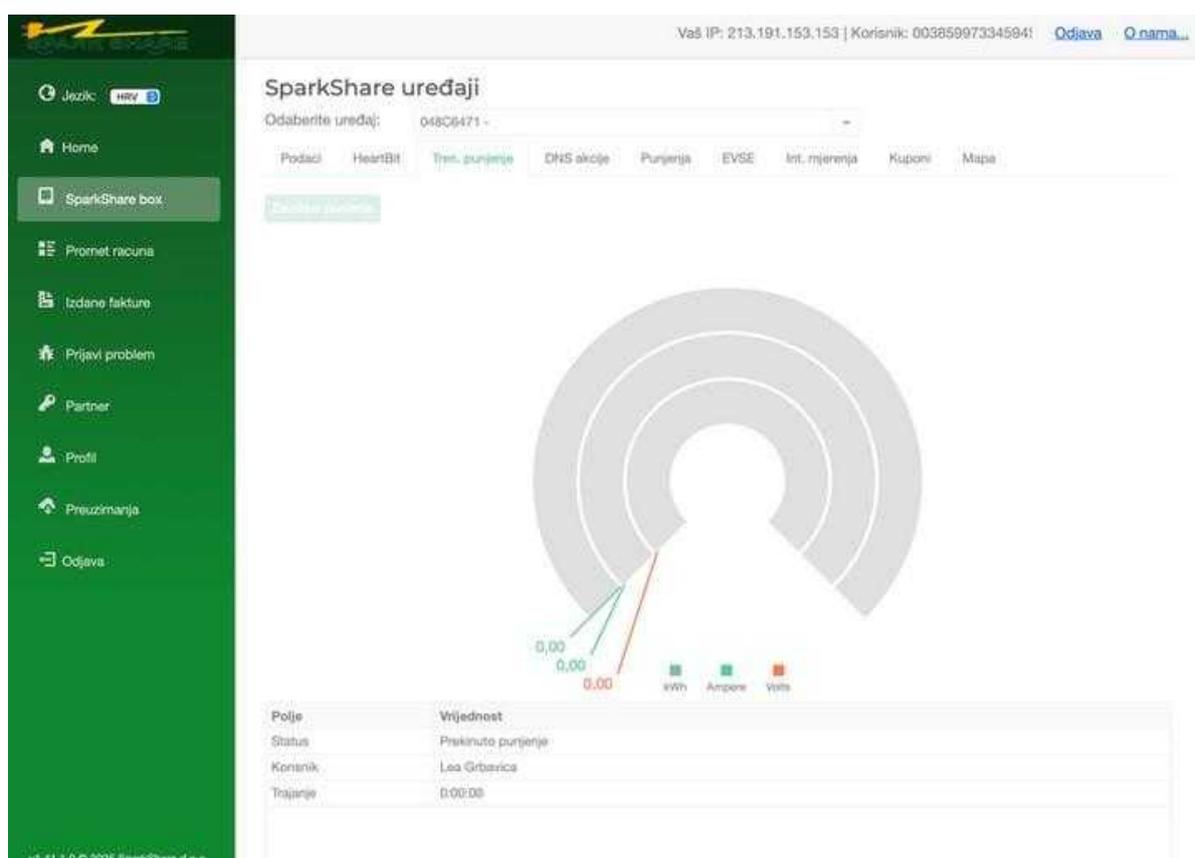
Id	Sec No	Vrijeme	Odgovor	Odgovor DNS
37372084	74	20.01.2025 11:52:55	Stay idle	1.0.0.0
37372073	73	20.01.2025 11:52:51	Stay idle	1.0.0.0
37372082	72	20.01.2025 11:52:47	Stay idle	1.0.0.0
37372051	71	20.01.2025 11:52:43	Stay idle	1.0.0.0
37372040	70	20.01.2025 11:52:38	Stay idle	1.0.0.0
37372028	69	20.01.2025 11:52:35	Stay idle	1.0.0.0
37372016	68	20.01.2025 11:52:31	Stay idle	1.0.0.0
37372005	67	20.01.2025 11:52:27	Stay idle	1.0.0.0
37371992	66	20.01.2025 11:52:22	Stay idle	1.0.0.0
37371980	65	20.01.2025 11:52:18	Stay idle	1.0.0.0

## TREKUTNO PUNJENJE

Ovaj podizbornik omogućuje Vam praćenje i kontrolu trenutnog procesa punjenja na Vašem uređaju. Pruža uvid u ključne informacije poput statusa punjenja, korisnika koji trenutno koristi Vaš punjač, te vremena početka i trajanja punjenja.

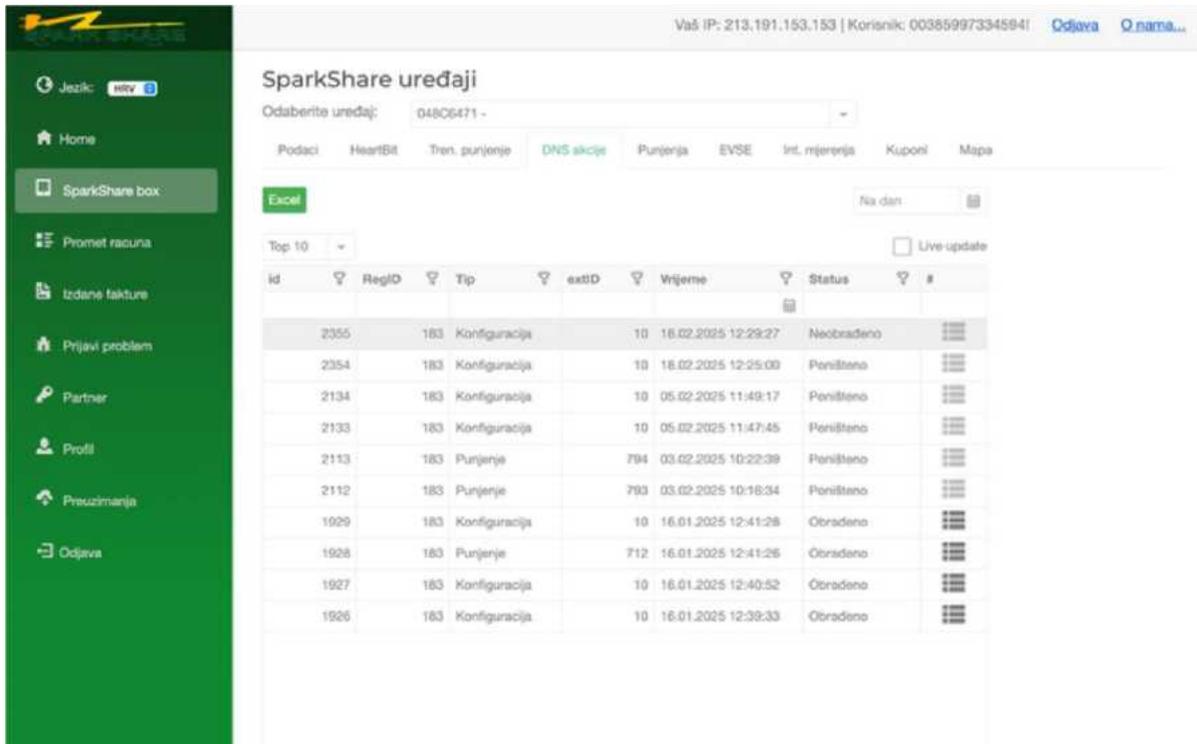
Uz te osnovne podatke, možete vidjeti i tehničke parametre kao što su trenutni napon, struja, snaga i količina energije koju uređaj registrira tijekom punjenja.

U odjeljku Detalji dostupni su dodatni podaci, uključujući napone i struje po fazama, temperature unutar uređaja, te frekvenciju napona. Ovi detalji omogućuju dublji uvid u tehničke aspekte rada našeg punjača i njegovo stanje tijekom procesa punjenja.



## DNS AKCIJE

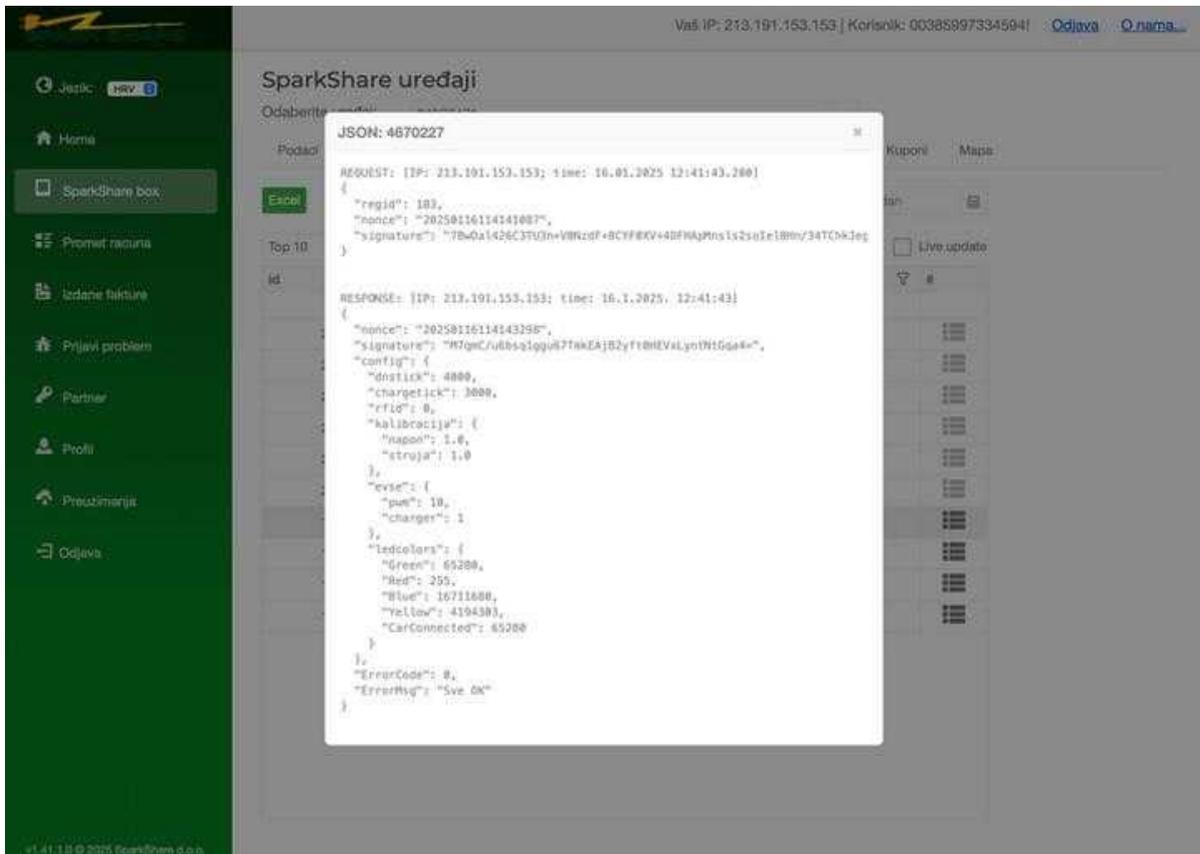
U ovom podizborniku moguće je pogledati podatke koji se šalju između uređaja i cloud-a u stvarnom vremenu. Pritiskom na tipku u zadnjoj koloni, moguće je vidjeti cijeli JSON string iz tog reda akcije.



The screenshot shows the 'SparkShare uređaji' (SparkShare devices) interface. The top navigation bar includes the user's IP (213.191.153.153), username (00385997334594), and a 'Odjava' (Logout) button. The main content area is titled 'SparkShare uređaji' and shows a dropdown for 'Odaberite uređaj:' with the value '04806471'. Below this, there are several tabs: 'Podaci', 'HeartBit', 'Tren. punjenje', 'DNS akcije' (selected), 'Punjenja', 'EVSE', 'Int. mjerenja', 'Kuponi', and 'Mapa'. A table displays a list of actions, with columns for 'id', 'RegID', 'Tip', 'extID', 'Vrijeme', 'Status', and '#'. The table is sorted by 'Top 10' and has a 'Live-update' checkbox. The first row is highlighted in grey and shows a 'Neobrađeno' (Not processed) status. The other rows show 'Poništeno' (Cancelled) or 'Obradeno' (Processed) statuses.

id	RegID	Tip	extID	Vrijeme	Status	#
2355	183	Konfiguracija	10	16.02.2025 12:29:27	Neobrađeno	
2354	183	Konfiguracija	10	16.02.2025 12:25:00	Poništeno	
2134	183	Konfiguracija	10	05.02.2025 11:49:17	Poništeno	
2133	183	Konfiguracija	10	05.02.2025 11:47:45	Poništeno	
2113	183	Punjenje	794	03.02.2025 10:22:39	Poništeno	
2112	183	Punjenje	793	03.02.2025 10:18:34	Poništeno	
1929	183	Konfiguracija	10	16.01.2025 12:41:28	Obradeno	
1928	183	Punjenje	712	16.01.2025 12:41:26	Obradeno	
1927	183	Konfiguracija	10	16.01.2025 12:40:52	Obradeno	
1926	183	Konfiguracija	10	16.01.2025 12:39:33	Obradeno	

Primjer jednog JSON stringa:



## PUNJENJA

Podizbornik Punjenja omogućuje uvid u sva punjenja koja su se vršila na Vašem punjaču.

SparkShare uređaji

Odaberite uređaj: 04806471 -

Podaci HeartBit Tren. punjenje DNS akcije **Punjenja** EVSE Int. mjerenja Kuponi Mapa

Excel Na dan

Top 10  Live update

id	RegID	Session	Osoba	RFID	Req sTime	#
794	183	53A4A4D7-36BE-43E9-B08B-F2A8AC07FB2E	Lea Grbavica		03.02.2025 10:22:3	
793	183	ED44C007-9652-4DDD-93F3-48E9316A3AB5	Lea Grbavica		03.02.2025 10:16:3	
712	183	68CCBC3A-F722-4021-B8D4-318D2039E16A	Karlo Kosina		16.01.2025 12:41:2	
711	183	BESCCEDC-1FEF-4BD7-8611-6E5FEB1B060C	Karlo Kosina		16.01.2025 12:39:1	

Svako punjenje ima svoj jedinstveni Session ID, a u polju Osoba moguće je vidjeti koji je korisnik koristio punjač.

Polje Req sTime pokazuje vrijeme kada je zahtjev poslan od uređaja prema serveru, sTime pokazuje vrijeme kada je započela radnja, a fTime pokazuje kada je završen zahtjev. Dok se EV puni na punjaču i tipka Live update je uključena, vrijeme u zadnjem polju se stalno mijenja.

Osoba	RFID	Req sTime	sTime	fTime	Status	#
Grbavica		03.02.2025 10:22:39			Prekinuto punjenje	
Grbavica		03.02.2025 10:16:34			Prekinuto punjenje	
io Kosina		16.01.2025 12:41:26	16.01.2025 12:41:29	16.01.2025 12:41:40	Prekinuto punjenje	
io Kosina		16.01.2025 12:39:17	16.01.2025 12:39:38	16.01.2025 12:39:49	Prekinuto punjenje	

## EVSE

Opcija EVSE u SparkShare sustavu omogućava korisnicima pregled BoxEV-a za punjenje električnih vozila (EVSE - Electric Vehicle Supply Equipment). Ovaj odjeljak pruža detaljne informacije o zahtjevima za punjenje, statusu BoxEV-a i ključnim električnim parametrima.

### Pregled podataka

U tabličnom prikazu dostupni su sljedeći podaci:

- ID – jedinstveni identifikator zapisa.
- Vrijeme zahtjeva (Req. time) – vrijeme kada je zahtjev za punjenje evidentiran.
- RegID – identifikacijski broj BoxEV-a.
- Status – trenutno stanje BoxEV-a (npr. "nema auta" ako vozilo nije povezano).
- ADC min, ADC max, ADC avg – minimalne, maksimalne i prosječne vrijednosti ADC (Analog-to-Digital Converter) signala, koje pomažu u praćenju napona i struje tijekom punjenja.
- ADC points – broj prikupljenih ADC podataka za analizu.
- Session – identifikator sesije punjenja.

### Ključne funkcionalnosti

- Live Update – omogućava praćenje statusa u stvarnom vremenu.
- Izvoz podataka – opcija Excel omogućava preuzimanje podataka za daljnju analizu.
- Filtriranje i sortiranje – korisnici mogu filtrirati podatke prema različitim parametrima radi lakšeg pregleda.

Ova opcija omogućava nadzor rada BoxEV-a, identifikaciju problema te analizu performansi, čime se optimizira rad infrastrukture za punjenje električnih vozila.


  
 Jezik: **HRV**
  
 Home
   
 SparkShare box
   
 Promet racuna
   
 Izdane fakture
   
 Prijavi problem
   
 Partner
   
 Profil
   
 Preuzimanja
   
 Odjava

v1.45.1.0 © 2025 SparkShare d.o.o.

## SparkShare uređaji

Odaberite uređaj: 048C6471 -

[Podaci](#)
[Heartbit](#)
[Tren. punjenja](#)
[DNS akcije](#)
[Punjenja](#)
**[EVSE](#)**
[Int. mjerenja](#)
[Kuponi](#)
[Mapa](#)

**Excel**

Na dan:

Top 10

Live update

id	Req. time	RegID	Status	ADC min	ADC max	ADC avg	ADC points	Session	#
181515	05.11.2024 14:54:32	183	0 - nema auta	3332	3362	3346	184		
181508	05.11.2024 14:48:32	183	0 - nema auta	3337	3366	3353	118		
181501	05.11.2024 14:42:31	183	0 - nema auta	3331	3365	3350	129		
181494	05.11.2024 14:36:31	183	0 - nema auta	3337	3362	3349	113		
181487	05.11.2024 14:30:32	183	0 - nema auta	3342	3362	3353	117		
181480	05.11.2024 14:24:32	183	0 - nema auta	3342	3362	3350	129		
181473	05.11.2024 14:18:31	183	0 - nema auta	3334	3361	3350	106		
181466	05.11.2024 14:12:31	183	0 - nema auta	3339	3366	3350	124		
181459	05.11.2024 14:06:31	183	0 - nema auta	3342	3367	3352	106		
181452	05.11.2024 14:00:32	183	0 - nema auta	3337	3361	3351	111		

## INT. MJERENJA

Opcija Interna mjerenja u SparkShare sustavu omogućava korisnicima pregled ključnih električnih parametara uređaja u realnom vremenu. Ova funkcionalnost je posebno korisna za praćenje performansi i stabilnosti rada uređaja.

### Pregled podataka

Unutar ovog odjeljka prikazuju se sljedeće vrijednosti:

- Vrijeme – točan datum i vrijeme mjerenja.
- Napon (Voltage) – vrijednosti napona za tri faze (U1, U2, U3).
- Struja (Current) – vrijednosti struje za tri faze (I1, I2, I3).
- Ukupna energija (Total E.) – potrošena energija u jedinicama koje koristi sustav.
- Temperatura (Temp.) – trenutna temperatura uređaja.
- Frekvencija (Freq.) – frekvencija električne mreže.
- EVSE – identifikacijski broj stanice za punjenje.
- Memorija uređaja (Memory heap) – stanje radne memorije uređaja.
- WiFi – informacije o mrežnoj povezanosti uređaja, uključujući naziv mreže (SSID) i jačinu signala (RSSI).

### Ključne funkcionalnosti

- Live Update – omogućava prikaz podataka u stvarnom vremenu.
- Izvoz podataka – opcija Excel omogućava preuzimanje podataka u Excel formatu za daljnju analizu.
- Filtriranje i sortiranje – moguće je filtrirati podatke prema različitim kriterijima.

Ova opcija pruža detaljan uvid u operativno stanje uređaja, što omogućava pravovremeno otkrivanje problema i optimizaciju rada sustava.

The screenshot displays the SparkShare web interface for monitoring a device. The top navigation bar includes the user's IP address (213.191.153.153), username (00385987334594), and links for 'Odjava' (Logout) and 'O nama...' (About us). The main heading is 'SparkShare uređaji' (SparkShare devices), with a dropdown menu for selecting a device (currently showing '048C8471').

Below the device selection, there are several tabs: 'Podaci' (Data), 'HeartBit', 'Tren. punjenja' (Current charging), 'DNS akcije' (DNS actions), 'Punjenja' (Charging), 'EVSE', 'Ist. mjerenja' (Current measurements), 'Kuponi' (Coupons), and 'Mapa' (Map). The 'EVSE' tab is currently active.

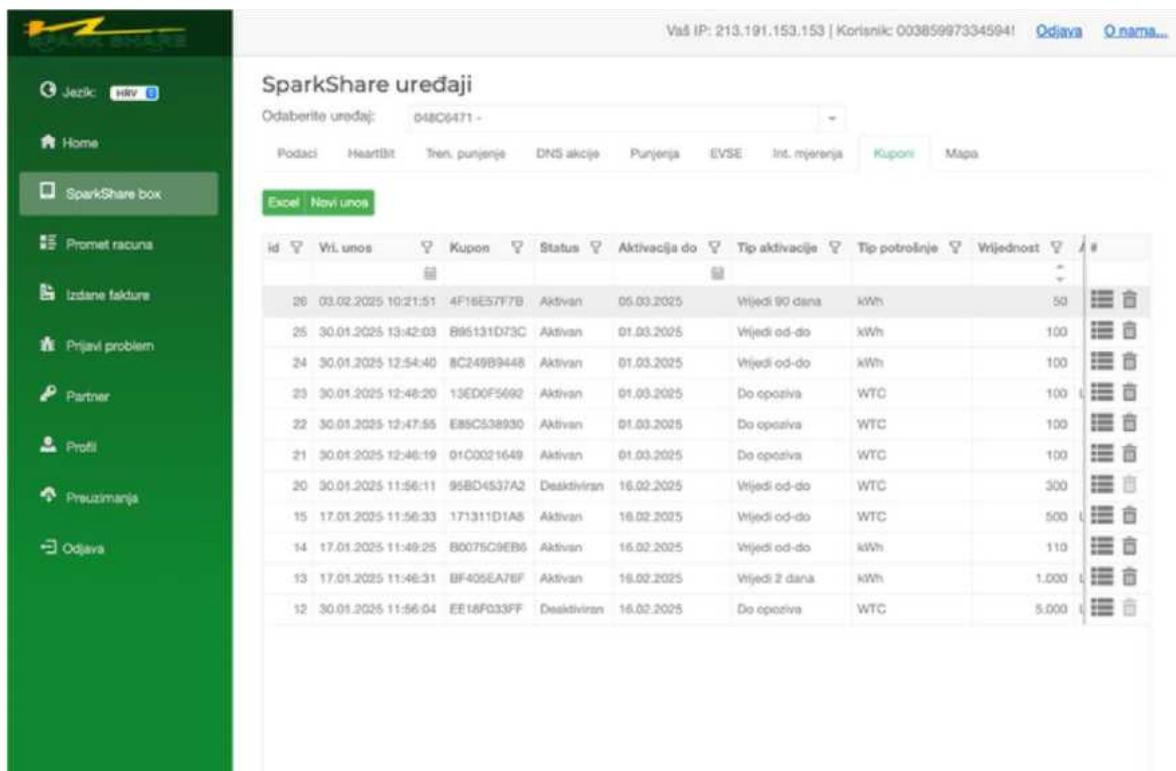
A green 'Excel' button is visible, along with a 'Na dan' (Per day) filter and a 'Live update' checkbox. The data is presented in a table showing the 'Top 10' records. The table columns are: 'Id', 'Vrijeme' (Time), 'Voltage' (U1, U2, U3), 'Current' (I1, I2, I3), 'Total E.', 'Temp.', 'Freq.', 'EVSE', and 'Mem Current'.

Id	Vrijeme	Voltage			Current			Total E.	Temp.	Freq.	EVSE	Mem Current
		U1	U2	U3	I1	I2	I3					
7105845	20.01.2025 11:52:53	242,34	0,14	0,05	0,03	0,01	0,01	4	26,00	50,00	3342	907
7105835	20.01.2025 11:52:42	242,10	0,14	0,05	0,03	0,01	0,01	4	26,00	50,00	3344	907
7105825	20.01.2025 11:52:32	242,38	0,14	0,05	0,03	0,01	0,01	4	26,00	50,00	3344	907
7105815	20.01.2025 11:52:22	242,41	0,14	0,05	0,03	0,01	0,01	4	25,00	50,00	3342	907
7105805	20.01.2025 11:52:12	242,55	0,14	0,05	0,03	0,01	0,01	4	25,00	50,00	3342	907
7105795	20.01.2025 11:52:02	242,86	0,14	0,05	0,03	0,01	0,01	4	25,00	50,00	3343	907
7105785	20.01.2025 11:51:52	242,96	0,14	0,05	0,03	0,01	0,01	3	25,00	50,00	3342	907
7105775	20.01.2025 11:51:42	242,53	0,14	0,05	0,03	0,01	0,01	3	25,00	50,00	3344	907
7105765	20.01.2025 11:51:32	242,62	0,14	0,05	0,03	0,01	0,01	3	25,00	50,00	3343	907
7105755	20.01.2025 11:51:21	242,29	0,14	0,05	0,03	0,01	0,01	3	25,00	48,00	3341	907



## KUPONI

Ukoliko želite omogućiti nekome besplatno punjenje ili punjenje po povoljnijoj cijeni, to možete ostvariti putem kupona.



SparkShare uređaji

Odaberite uređaj: 048C6471 -

Podaci | HeartBit | Tren. punjenje | DNS akcija | Punjenja | EVSE | Int. mjerenja | **Kuponi** | Mapa

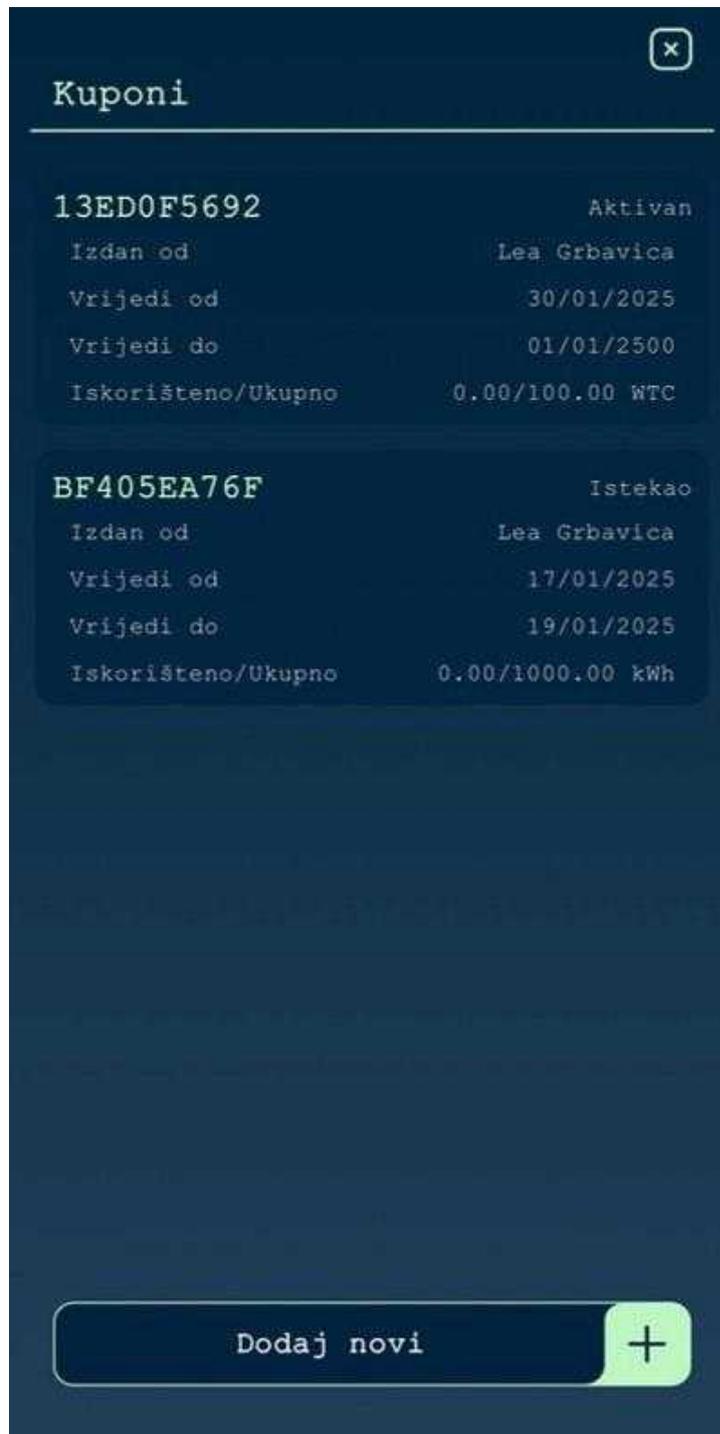
Excel | **Novi unos**

id	WL unos	Kupon	Status	Aktivacija do	Tip aktivacije	Tip potrošnje	Vrijednost	#
26	03.02.2025 10:21:51	4F16E57F7B	Aktivan	06.03.2025	Wijedi 90 dana	kWh	50	
25	30.01.2025 13:42:03	B95131D73C	Aktivan	01.03.2025	Wijedi od-do	kWh	100	
24	30.01.2025 12:54:40	8C249B9448	Aktivan	01.03.2025	Wijedi od-do	kWh	100	
23	30.01.2025 12:46:20	13ED0F5692	Aktivan	01.03.2025	Do epoziva	WTC	100	
22	30.01.2025 12:47:55	E85C538930	Aktivan	01.03.2025	Do epoziva	WTC	100	
21	30.01.2025 12:46:19	01C0021649	Aktivan	01.03.2025	Do epoziva	WTC	100	
20	30.01.2025 11:56:11	95BD4537A2	Deaktiviran	16.02.2025	Wijedi od-do	WTC	300	
15	17.01.2025 11:56:33	171311D1A6	Aktivan	16.02.2025	Wijedi od-do	WTC	500	
14	17.01.2025 11:49:25	B0075C9EB6	Aktivan	16.02.2025	Wijedi od-do	kWh	110	
13	17.01.2025 11:46:31	BF405EA76F	Aktivan	16.02.2025	Wijedi 2 dana	kWh	1.000	
12	30.01.2025 11:56:04	EE18F033FF	Deaktiviran	16.02.2025	Do epoziva	WTC	5.000	

Odabirom tipke “Novi unos” otvorit će Vam se prozor unutar kojeg odabirete period i vrijednost na koju želite izdati kupon te uređaj za koji ga izdajete.



Potrebno je da osoba kojoj šaljete kupon ima SparkShare mobilnu aplikaciju. Primit će obavijest o dobitku kupona na email/SMS-om, ovisno kako ste odabrali te će joj kupon biti vidljiv i aktivan u mobilnoj aplikaciji po opcijom "Kuponi".



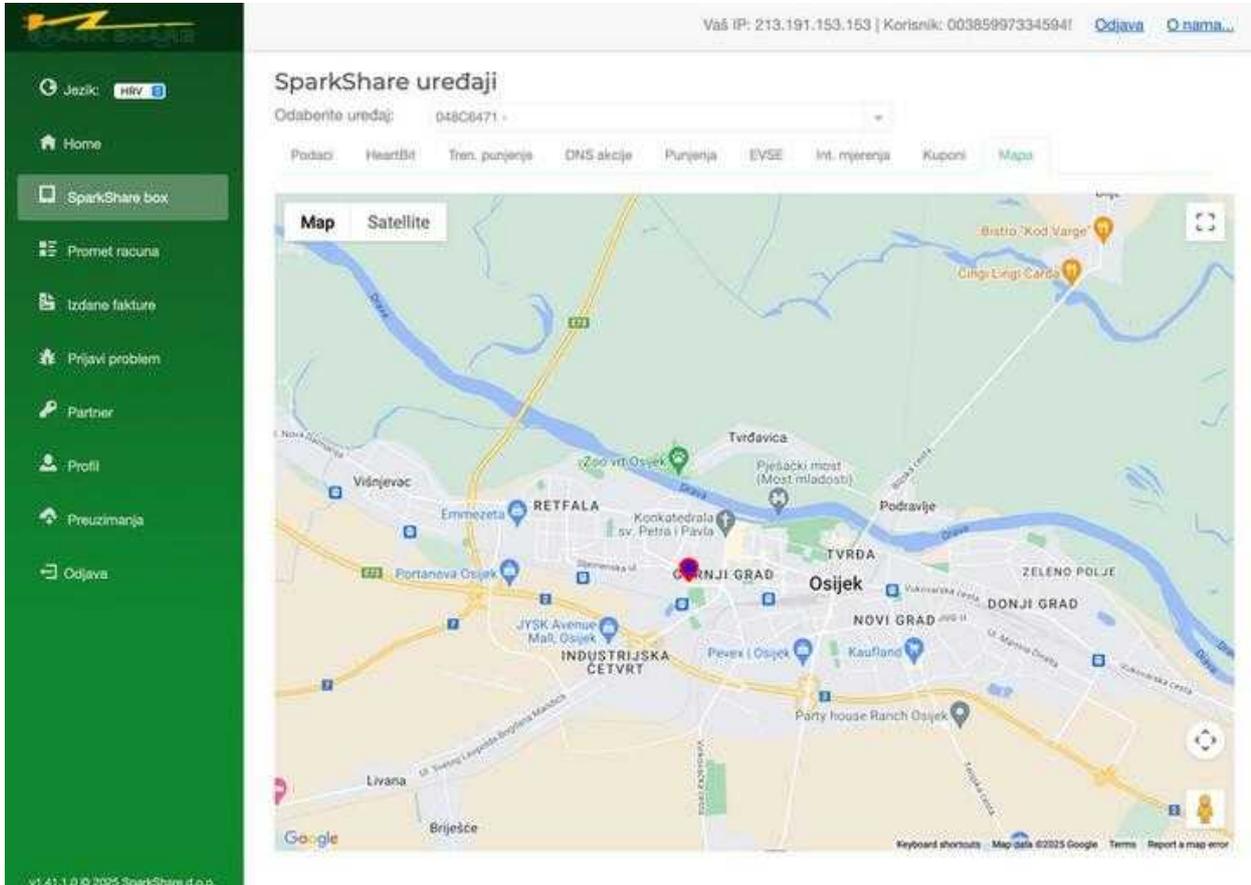
Ukoliko ispišete kupon. Njegov ispis bit će na predlošku na kojemu su opisani koraci aktivacije i korištenja kupona.



## MAPA

Na mapi su prikazani svi Vaši aktivirani uređaji koji imaju prikazanu lokaciju.

Moguć je prikaz "Mapa" i "Satelit".



# PROMET RAČUNA

U izborniku promet računa možete pregledati, izvesti u XML, Excel i ispisati promet Vašeg računa u WTC-ovima. U slučaju da imate više računa po kojima ste opunomoćeni u padajućem izborniku možete odabrati željeni račun za pregled. Raspoloživo stanje prikazuje koji je saldo Vašeg računa. Period pregleda transakcija možete odabrati pritiskom na datum u poljima Od datuma, Do datuma.

U slučaju da želite izvoz podataka, aplikacija nudi izvoz u Excel formatu.

Vaš IP: 213.191.153.153 | Korisnik: 003859973345941 [Odjava](#) [O nama...](#)

### Promet računa

Odaberite račun: 3210000264 [Lise Grbevice] - Račun za WTC

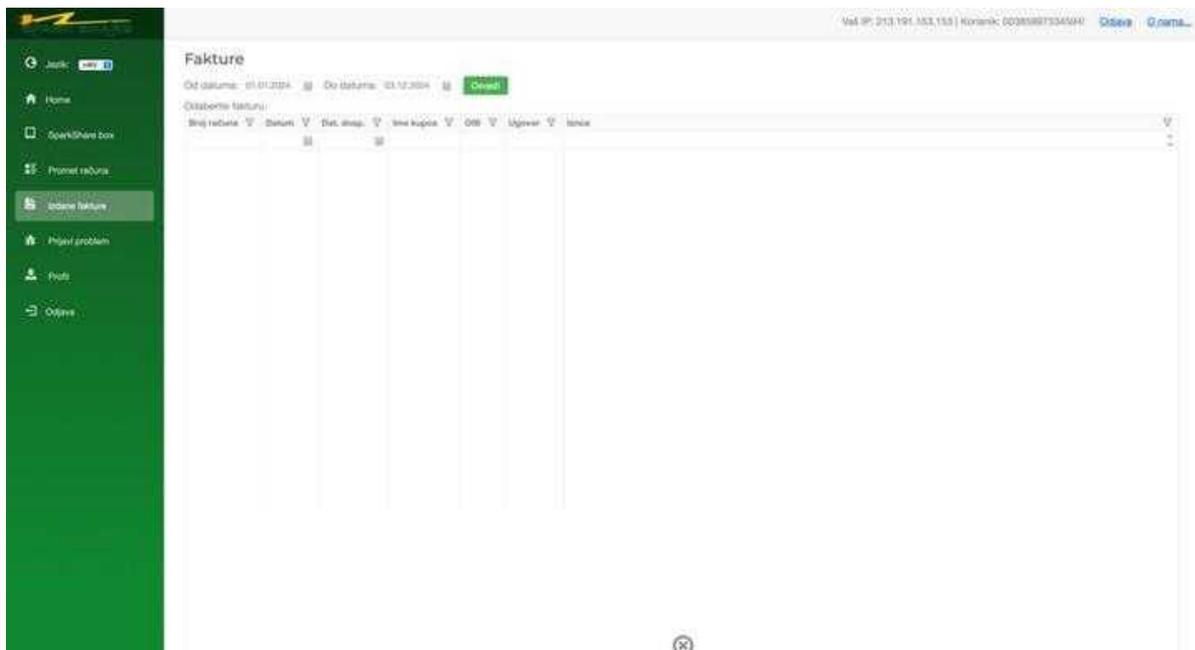
Raspoloživo stanje: 5,10 WTC

Od datuma: 01.01.2024 Do datuma: 03.12.2024 [XML](#) [Excel](#)

Saldo WTC	Iznos WTC	Iznos KW	DevUID	Opis	Vrijeme	ID	Tran ID
-	-	-	-	-	-	-	-
5,10	0,10	-0,10	048C6471	© Osijek, Stanika Vraza 7	30.10.2024 12:55:03	41001436	41001435
5,00	5,00			SparkShare d.o.o. © Welcome to SparkShare	21.10.2024 14:04:17	41001352	41001351

# IZDANE FAKTURE

U izborniku Izdane fakture možete pregledati sve fakture koje su izdane i koje se odnose na vaš račun. Ovaj prikaz omogućuje vam detaljan uvid u sve transakcije i naplate povezane s vašim korisničkim računom, uključujući datum izdavanja, iznos i ostale relevantne podatke o fakturama.



# PRIJAVA PROBLEMA

U ovom izborniku možete prijaviti problem s Vašim uređajem. Naš tim stručnjaka zaprimat će Vašu prijavu i obraditi je u najkraćem mogućem roku, a odgovor možete očekivati putem e-maila. Molimo Vas da u naslov prijave sažeto navedete problem, dok u opisu pružite što detaljnije informacije o situaciji. Kako bismo osigurali što preciznije rješavanje problema, također imate mogućnost učitavanja screenshot fotografije problema u aplikaciji ili fotografije uređaja. Detaljna dijagnostika dostupna putem SS Portala omogućuje korištenje specifičnih podataka prilikom prijave.



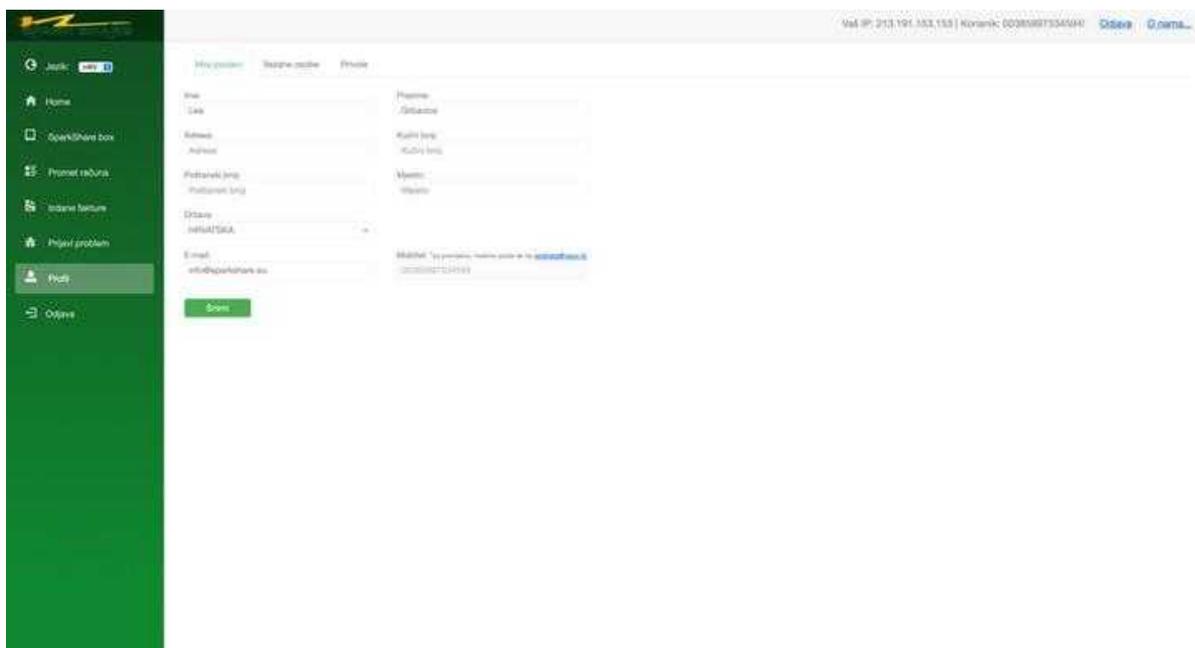
The screenshot shows a web interface for reporting a problem. On the left is a green sidebar with navigation options: Jazik (Hrv), Home, SparkShare box, Promet računa, Izdane fakture, Prijavi problem (highlighted), Profil, and Odjava. The main content area is titled 'Prijava problema' and contains the following fields:

- Naslov:** A text input field for the title.
- Opis:** A larger text input field for the description.
- Slika:** A file upload section with a 'Choose File' button and the text 'no file selected'.
- Prijavi:** A green button to submit the report.

At the top right of the page, there is a status bar showing 'Vaš IP: 88.207.127.55 | Korisnik: 003859161197561' and links for 'Odjava' and 'O nama...'. At the bottom left, the version 'v1.33.0.3 © 2022 SparkShare d.o.o.' is displayed.

# PROFIL

U izborniku Profil korisnicima je omogućeno pregledavanje i izmjena osobnih podataka. Također, dostupan je pregled osoba vezanih uz Vaš korisnički račun. Ako želite promijeniti broj mobitela, potrebno je kontaktirati našu podršku putem e-maila na adresu [info@sparkshare.eu](mailto:info@sparkshare.eu).



The screenshot displays the 'PROFIL' (Profile) page in the SparkShare application. On the left is a dark green sidebar with navigation options: 'Home', 'SparkShare box', 'Prilaz račun', 'Izjava računa', 'Prijavi problem', 'Profil', and 'Odjava'. The 'Profil' option is currently selected. The main content area shows a form for editing personal data, with tabs for 'Moj profil', 'Veze profile', and 'Phone'. The form includes fields for 'Ime', 'Prezime', 'Kontakt broj', 'Mobi broj', 'E-mail', and 'Mobi broj'. A green 'Sačuvaj' (Save) button is located at the bottom of the form. The top right corner of the page shows the user's IP address (193.191.153.153) and a session ID (003858073345044).

# KORIŠTENJE SUSTAVA I SIGURNOSNE MJERE

Sparkshare d.o.o. onemogućit će bilo kakvo neovlašteno korištenje aplikacije blokiranjem IP adrese korisnika. Tvrtka zadržava pravo uskraćivanja pristupa aplikaciji korisnicima za koje postoji opravdana sumnja da je koriste na neovlašten način. Sve aktivnosti unutar aplikacije bilježe se u dnevnik akcija, što omogućuje praćenje svake radnje u sustavu. Kako bi se spriječilo neovlašteno korištenje, Sparkshare d.o.o. zadržava pravo u svakom trenutku provjeriti sve zabilježene radnje unutar aplikacije.

## ZAŠTITA OSOBNIH PODATAKA

Prikupljeni osobni podatci koristit će se prema Politici Zaštite Osobnih Podataka tvrtke Sparkshare d.o.o.



**USER MANUAL FOR**  
**SPARKSHAREBOXEV**  
**AND CUBE**

# INSTALLATION MANUAL:

## - SPARKSHARE BOXEV

## - SPARKSHARE CUBE

### WARNINGS AND SAFETY NOTES

#### GENERAL WARNINGS FOR SPARKSHARE EV CHARGERS

**Read all instructions before use:** Ensure that you fully understand all installation and operating instructions for BOXEV and CUBE (hereinafter referred to as the Sparkshare EV Charger) before installing and using the device.

**Supervision in the presence of children:** The Sparkshare EV Charger must be supervised when used in the vicinity of children to prevent unintended activation or accidents.

**Power supply circuit protection:** The power supply circuit of the Sparkshare EV Charger must be properly grounded. The power supply circuit must be protected by an appropriate residual current device (RCD, Type B, 30 mA) and by a MCB rated in accordance with the cross-section of the supply cable and the configured maximum current of the Sparkshare EV Charger (recommended B-curve, max. 32 A).

**Hazardous locations:** Do not install or operate Sparkshare EV Chargers near flammable, explosive, or aggressive materials, chemicals, or vapors.

**Disconnect power before servicing:** Ensure that the Sparkshare EV Charger power supply circuit is de-energized (e.g. by switching off the MCB in the supply circuit) before installation, cleaning, or servicing to avoid the risk of electric shock.

**Operating parameters:** Use Sparkshare EV Chargers exclusively within the specified operating voltage, current, and environmental parameters.

**Exposure to liquids:** Never spray water or any other liquid directly onto the Sparkshare EV Charger. Do not spray liquid onto the charging handle or immerse it in liquid. Always store the charging handle securely on the charger housing and close it with the rubber cap to prevent unnecessary exposure to moisture or contamination.

**Discontinue use if damaged:** Stop using the Sparkshare EV Charger if it shows any signs of damage, such as cracks, wear, or malfunction.

**Do not attempt repairs:** Do not disassemble, repair, alter, or modify the Sparkshare EV Charger unless you have thoroughly familiarized yourself with these user instructions. If repair or servicing is required, contact a certified Sparkshare partner. If you nevertheless decide to perform repairs or servicing yourself, contact the manufacturer for clarification regarding any uncertainties related to repairs or servicing.

**Handle with care:** During transport of the Sparkshare EV Charger, avoid exposure to strong impacts, forces, or mechanical stress (such as twisting, pulling, or stepping on the cable or enclosure) to prevent damage.

**Foreign objects:** Do not insert foreign objects into any part of the Sparkshare EV Charger.

**Improper installation:** Improper installation of the Sparkshare EV Charger may potentially damage the vehicle battery or the charger itself.

**Avoid extreme temperatures:** Sparkshare EV Chargers must not be used outside the temperature range of -25°C to +50°C.

**Avoid direct sunlight and extreme weather conditions:** Avoid exposing the Sparkshare EV Charger to direct heavy rain, snow, or other extreme weather conditions.

**Cable protection:** Ensure that the BOXEV cable is routed in a manner that prevents stepping on it, driving over it, tripping hazards, or any other condition that could cause damage or mechanical stress.

**Cleaning:** Do not use solvents to clean any part of the Sparkshare EV Charger. Periodically wipe the exterior of the Sparkshare EV Charger, and clean the BOXEV charging cable and handle with a clean, dry cloth to remove accumulated dirt or dust.

**Canopy:** If the Sparkshare EV Charger is installed outdoors, it is recommended to install a canopy above it to protect it from direct exposure to rain, snow, ice, and strong sunlight. This ensures long-term and reliable operation of the device in all weather conditions.

**Ventilation:** Sparkshare EV Chargers do not support an active ventilation function, which is predominantly available in higher-power DC EV charging stations.

1. **Warning:** The power supply circuit of the Sparkshare EV Charger must be properly grounded and protected by an appropriate residual current device (RCD, Type B, 30 mA) and an overcurrent protection device (max. 32 A).
2. **Warning:** Each Sparkshare EV Charger must be protected by a dedicated RCD (it is not permitted to share a single RCD between multiple Sparkshare EV Chargers).
3. **Warning:** Use only a 230/400 V, 50 Hz power supply as the power source for the Sparkshare EV Charger.
4. **Warning:** Improper installation and use of the Sparkshare EV Charger may potentially damage the vehicle battery and/or the charger itself. Any damage resulting from improper use of the Sparkshare EV Charger is not covered by the warranty.
5. **Warning:** Do not operate the Sparkshare EV Charger outside the temperature range of -25°C to +50°C.
6. **Warning:** Ensure adequate ventilation and keep the Sparkshare EV Charger free from obstructions or external factors that may cause overheating or reduced performance.



## IMPORTANT SAFETY NOTES BEFORE CONTINUING

Exercise caution during installation to avoid damage to any assemblies or components inside the Sparkshare EV Charger.

Ensure that the incoming power supply is safely disconnected before connecting the Sparkshare EV Charger.

Pay particular attention to ensuring that the PE (protective earth) terminal is correctly connected and that the protective earthing of the supply circuit is adequately implemented.

Do not leave components such as screws, seals, washers, or other metallic objects inside the Sparkshare EV Charger.

It is strictly prohibited to use the Sparkshare EV Charger if the supply cable or the vehicle charging cable is damaged, cracked, worn, broken, or if the internal insulation or copper conductors are exposed. If any damage is detected, please contact us and order a replacement part via the Sparkshare webshop as soon as possible.

Supplying the Sparkshare EV Charger via an extension cord or an inadequate improvised installation is prohibited.

We recommend that replacements and repairs be carried out by qualified personnel. If you nevertheless decide to perform repairs yourself, it is essential to thoroughly familiarize yourself with these instructions, in particular the sections: *Warnings and Safety Notes*, *Package Contents*, *Installation Steps*, and *Electrical Wiring Diagram*.

We recommend that routine safety inspections of the Sparkshare EV Charger be carried out at least once per week.

We recommend paying attention to the mounting height of the Sparkshare EV Charger so that the charging handle (or the Type 2 socket in the case of the CUBE) is positioned **0.5–1.5 m above ground level**, ensuring accessibility for wheelchair users.



## Sparkshare BOXEV

DESCRIPTION	SPECIFICATION
Maximum Power	-3P = 22 kW (32 A per phase) -1P = 7,4 kW (32 A)
Voltage	230/400 V (50 Hz)
Current	32 A per phase (1P/3P)
EV connection cabel	6 m (Type 2)
Dimension	38x38x14 cm
mass	5 kg
Operating temperature	Min = -25°C Max = 50°C
Storage temperature	Min = -40°C Max = 75°C
Tech Compliance	CE, IEC 61851-1:2017, EMC
Mounting	Indoor/Outdoor - Wall, Pole
Electric shoch protection	Class II
Charging mode	Mode 3

## Sparkshare CUBE

DESCRIPTION	SPECIFICATION
Maximum Power	-3P = 22 kW (32 A per phase) -1P = 7,4 kW (32 A)
Voltage	230/400 V (50 Hz)
Current	32 A per phase (1P/3P)
EV connection cabel	Type 2 plug
Dimension	20x20x20 cm
mass	5 kg
Operating temperature	Min = -25°C Max = 50°C
Storage temperature	Min = -40°C Max = 75°C

<b>Tech Compliance</b>	<b>CE, IEC 61851-1:2017, EMC</b>
<b>Mounting</b>	<b>Indoor/Outdoor - Wall, Pole</b>
<b>Electric shock protection</b>	<b>Class I</b>
<b>Charging mode</b>	<b>Mode 3</b>

## SELF-CHECK AND RECOVERY

Manual testing and resetting are not required.

In the event of a fault or earth leakage, the external RCD or MCB will disconnect the circuit. Once the fault has been cleared and the power supply is restored, the Sparkshare EV Charger will power on and restart automatically. If the power interruption occurred during charging, the Sparkshare EV Charger will automatically resume the charging process.

## LOAD MANAGEMENT

SparkShare **Load Management** enables multiple EV chargers to be supplied from the same power supply circuit by defining the maximum permissible total charging power for a group of chargers. The chargers communicate with each other and automatically share the available load, ensuring simultaneous charging of multiple vehicles without overloading the supply circuit (multiple Sparkshare EV Chargers supplied from a single MCB).

**Note:** Regardless of supplying multiple Sparkshare EV Chargers from the same MCB, each Sparkshare EV Charger must be protected by a dedicated RCD (it is not permitted to share a single RCD between multiple Sparkshare EV Chargers).

# MINIMUM REQUIREMENTS

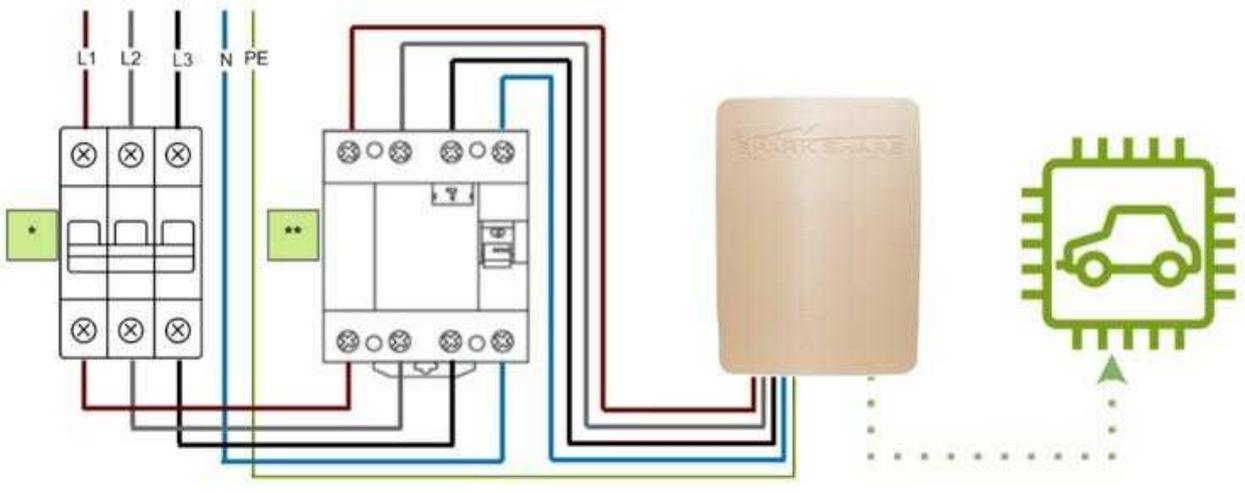
Installation of the Sparkshare EV Charger requires that you:

1. Calculate the existing electrical load in order to determine the maximum available capacity of the feeder intended to supply the Sparkshare EV Charger. Based on the maximum available capacity, select the appropriate MCB for supplying the Sparkshare EV Charger, with a maximum of 32 A per phase.
2. Ensure minimal voltage drop by installing the Sparkshare EV Charger as close as possible to the Main Distribution Board (MDB).
3. Obtain all required permits from the relevant local authorities and ensure that a post-installation inspection is carried out by a qualified electrician.
4. Use copper conductors only.
5. Use conductors sized in accordance with local electrical installation regulations. The selected cable must be capable of carrying continuous loads in accordance with the configured maximum load (see item 1), up to a maximum of 32 A.
6. Use protective devices. The supply circuit protection must be selected to include appropriate earth fault protection (RCD) and overload/short-circuit protection (MCB) according to the selected electrical load.

**Note:** Consult a qualified electrician to ensure that the installation complies with local regulations.

USER INTERFACE

\*MCB selected according to the conductor cross-section and the Sparkshare EV charger configured current setting punjača (npr. 32A, 16A...)  
\*\* RCD – Type B, rated current equal to the feeder circuit breaker rating, 30 mA



# **SPARKSHARE BOXEV INSTALLATION**

# WHAT'S IN THE BOX?

ITEM	DESCRIPTION	QUANTITY
	Installation Brochure	1
	Quick Guide	1
	Inner Box	1
	Decorative Cover	1
	Type 2 Cable	1
	Plastic Bolt	3

# REQUIRED TOOLS

The following tools are required for installation of the BOXEV:

## Mandatory:

Electric Drill



8mm drill bit



Wire cutting and stripping pliers



3 x 8mm screw + plastic wall plug



Phillips screwdriver



10 Cents



## Optional:

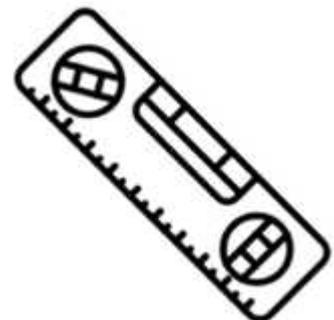
Measuring tape



Cable detector



Water level



# INSTALLATION STEPS

**Warning:** After completing the installation up to the desired position, switch off/disconnect the appropriate MCB in the main circuit, **DISCONNECT THE POWER SUPPLY AND VERIFY A DE-ENERGIZED STATE BEFORE PROCEEDING.**

1. Take the **Installation Brochure**, which indicates the drilling holes and mounting points for the enclosure. To ensure correct positioning of the enclosure, the use of a spirit level is recommended.
2. Mark the drilling points on the wall. The use of a cable detector is recommended to check for electrical installations, water pipes, or other obstacles behind the wall.
3. Drill the holes using an appropriate drill bit (recommended size: 8 mm).
4. Insert plastic wall plugs into the drilled holes.
5. Take the BOXEV unit and unscrew the two **plastic bolts** on the side panels of the device to release the decorative cover.
6. Carefully remove the decorative cover and disconnect the LED cable.
7. Unscrew the **plastic bolt** securing the bottom cover at the base of the device.
8. Carefully remove the bottom cover by pulling it downward.
9. Position the enclosure on the wall, aligning it with the previously drilled holes.
10. Secure the enclosure to the wall using screws.
11. Feed the power supply cable through the opening at the bottom of the enclosure.
12. Connect the conductors from the supply cable to the appropriate terminals: **L1, L2, L3, N, PE** (refer to the section Electrical Wiring Diagram).

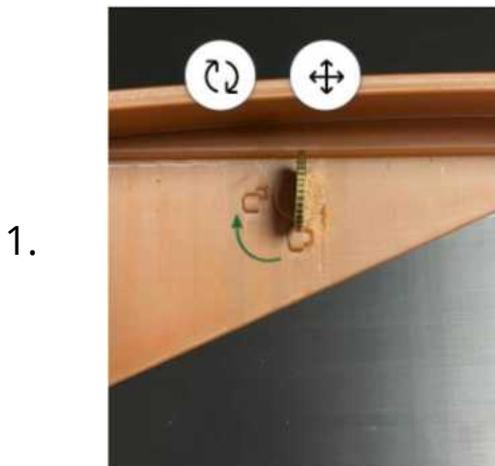
**SNAP-IN terminals** – push the conductor fully into the terminal; the terminal will automatically clamp the conductor. To remove the conductor, fully press the orange release tab located on the top of the terminal.

13. Reinstall the bottom cover by pulling it upward into position and resecure it with the **plastic bolt** at the bottom.
14. Reconnect the LED connector (pay attention to the orientation of the white connector).

15. Carefully reinstall the decorative cover onto the inner box and secure it using the two **plastic bolts** on both sides of the device.
16. Restore power to the device by switching on the previously disconnected MCB.

*The charging current of the Sparkshare EV Charger is limited to **6 A per phase (1.4 / 4.2 kW)** until the device is activated via the **SparkShare mobile application**.*

## HOUSING OPENING PROCEDURE



Insert a **10-cent coin** into the slot of the side **plastic bolt** and turn it to the **“unlocked”** position as shown in the illustration, then carefully pull out the plastic bolt.

Repeat the same procedure on the other side.



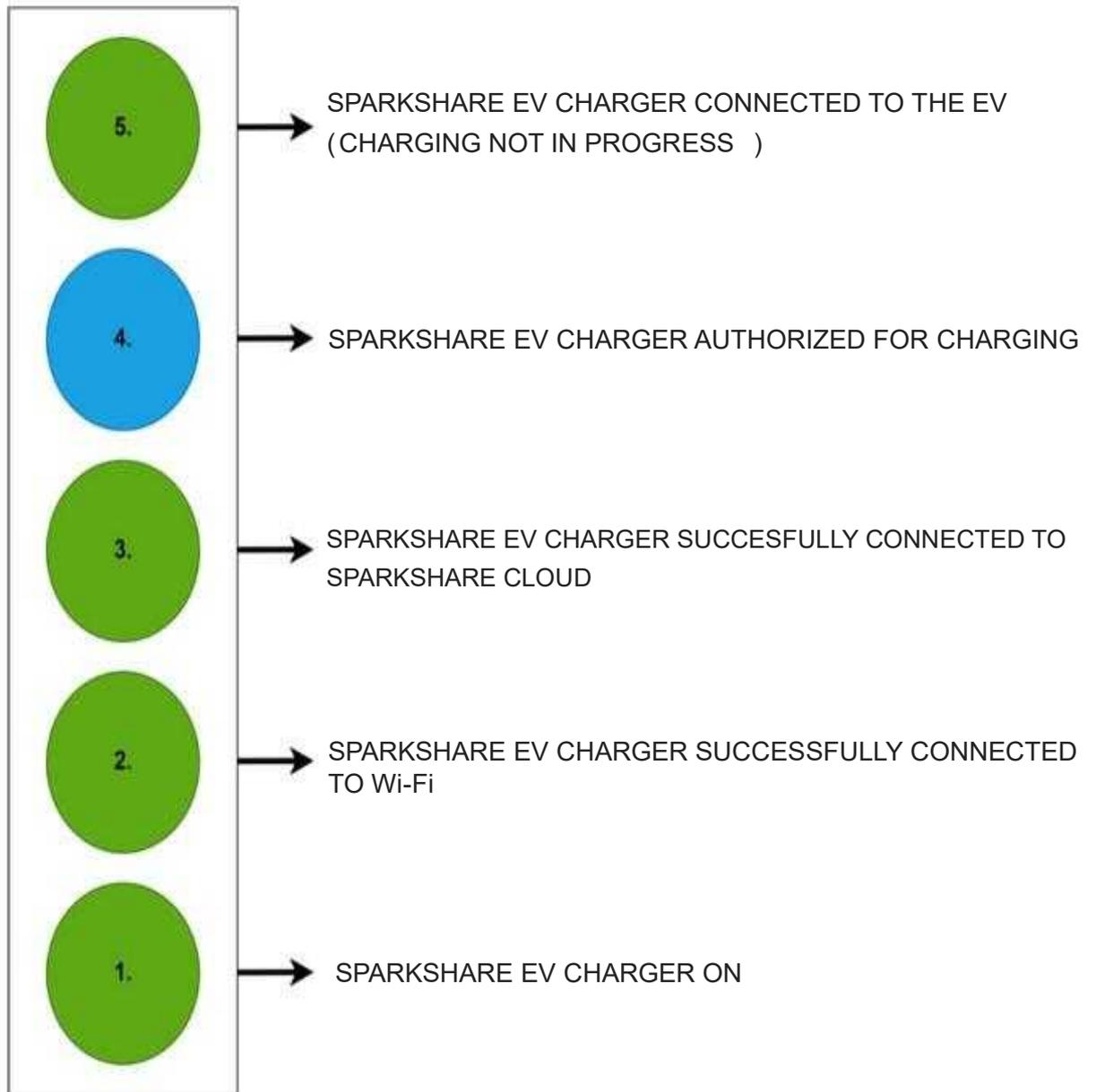
Once both **plastic bolts** have been removed, carefully remove the decorative cover by pulling it toward you. After removing the decorative cover, the LED connector becomes accessible. Disconnect it to release the decorative cover from the inner box.



After separating the decorative cover from the inner box, insert a **10-cent coin** into the **plastic bolt** on the underside of the inner box and turn it to the **“unlocked”** position. Carefully remove the inner box cover by pulling it downward.

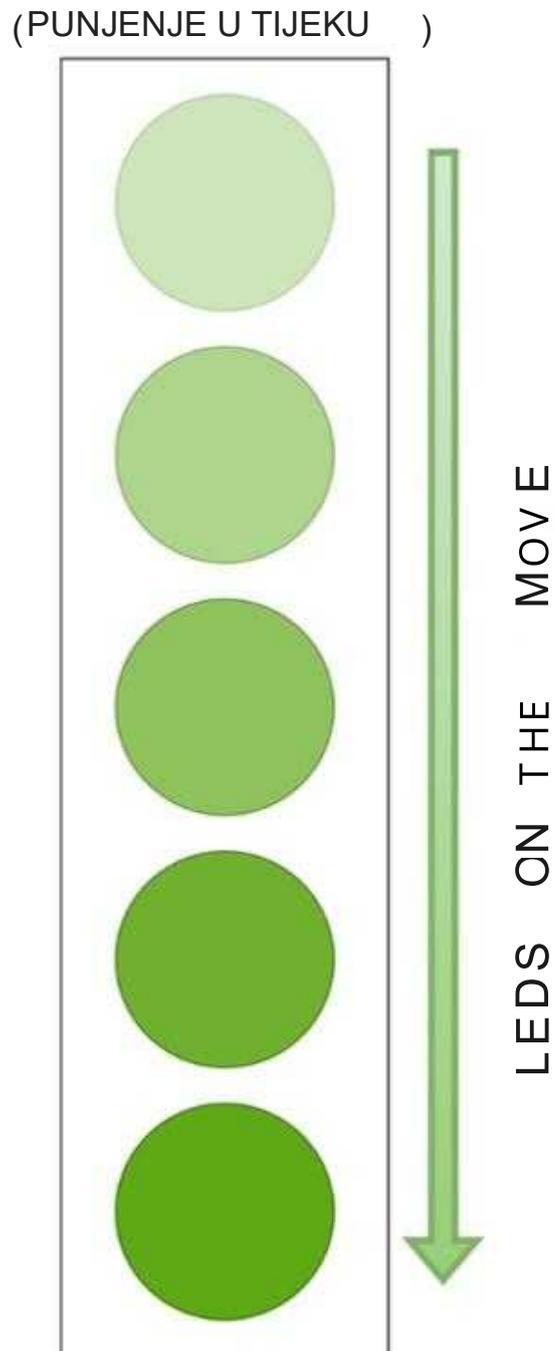
# LED INDICATION DESCRIPTION - BOXEV

## NORMAL OPERATION



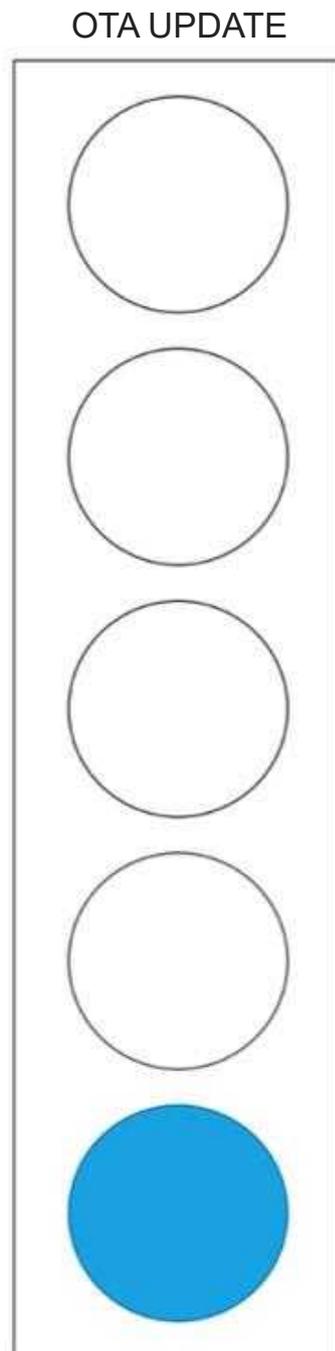
In the event of a software error during operation, **LED No. 4** will illuminate **RED**. After data transmission, **LED No. 4** will flash **YELLOW** for a few seconds before the Sparkshare EV Charger restarts.

When the vehicle (EV) is charging, the LEDs illuminate sequentially from **5 to 1**, simulating the flow of current toward the vehicle (**GREEN**).



During an OTA (Over-the-Air) update, **LED No. 1** turns **BLUE**. If the update is successful, **LED No. 1** briefly lights **GREEN**, then turns **BLUE** again, followed by a device restart.

If an error occurs during the OTA update, **LED No. 1** will alternate between **BLUE** and **RED**. It will return to **GREEN** once the device resumes normal operation.



# **SPARKSHARE CUBE INSTALLATION**

# WHAT'S IN THE BOX?

STAVKA

OPIS

KOLIČINA



Installation Brochure

1



Quick guide

1



Sparkshare CUBE

1



Plastic screw

3



Tool for tightening and loosening screws

1



Plastic wall plugs

3



Mounting screw

1



Mounting hooks

2

# REQUIRED TOOLS

For Sparkshare CUBE mounting, the following tools are required:

## Mandatory:

Electric drill



Wire cutting and stripping pliers



Phillips screwdriver



8mm drill bit



## Optional:

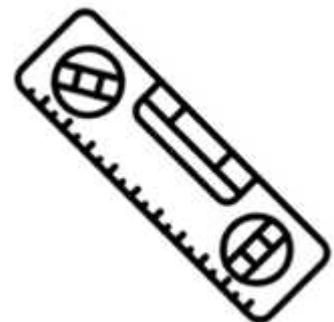
Measuring tape



Cable detector



Water level



# INSTALLATION STEPS

**Warning:** After completing the installation up to the desired position, switch off/disconnect the appropriate MCB in the main circuit, **DISCONNECT THE POWER SUPPLY AND VERIFY A DE-ENERGIZED STATE BEFORE PROCEEDING.**

1. Take the **Installation Brochure**, which indicates the drilling holes. To ensure correct positioning, the use of a spirit level is recommended.
2. Mark the drilling points on the wall. The use of a cable detector is recommended to check for electrical installations, water pipes, or other obstacles behind the wall.
3. Drill the holes using an appropriate drill bit (recommended size: **8 mm**).
  - Drill only the two upper holes for the hooks and insert the supplied wall plugs.
  - Screw the supplied hooks into the wall plugs so that the gap between the hook and the wall is approximately **5 mm**.
  - Hang the **CUBE** on the hooks, then mark on the wall the position of the screw hole and mark the position of the incoming power cable on the CUBE enclosure. Pay attention that the incoming cable can enter the CUBE **only through the designated area on the rear side of the enclosure**.
  - Remove the CUBE from the hooks, drill the hole at the marked position in the wall and insert a wall plug, then drill the hole in the CUBE enclosure. The hole **must be located within the designated area on the rear side of the enclosure** (ensure that the drilled hole does not touch the edge of the marked area).
  - Rehang the CUBE on the hooks, align it with the power cable entry hole, and secure it using the supplied screw.
4. Feed the power supply cable through the designated opening.
5. Connect the conductors from the supply cable to the appropriate terminals: **L1, L2, L3, N, PE**. Refer to the section *Electrical Wiring Diagram*.
6. Reinstall the bottom cover.
7. Reattach the **plastic bolts** to secure the bottom cover.
8. Restore power to the device by switching on the previously disconnected MCB.

The charging current of the Sparkshare EV Charger is limited to **6 A per phase (1.4 / 4.2 kW)** until the device is activated via the **SparkShare mobile application**.

## HOUSING OPENING PROCEDURE (CUBE)

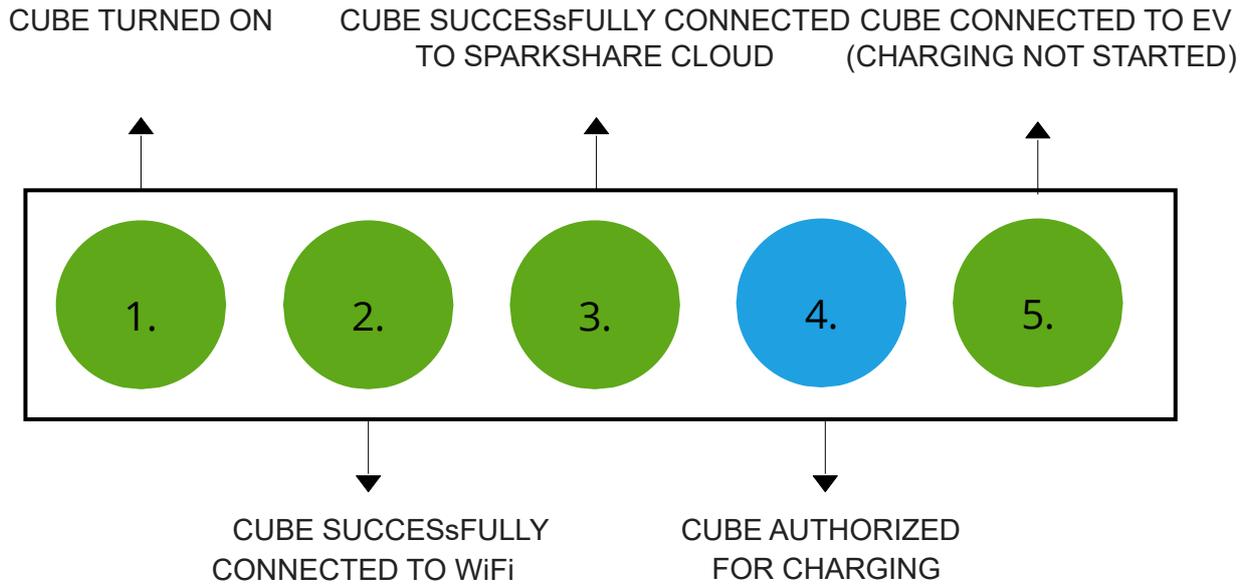


Insert the supplied tightening and loosening tool into the hole of the plastic bolt.



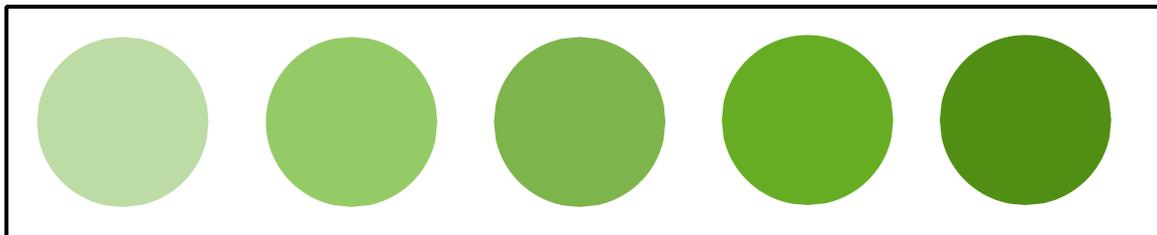
Unscrew all three screws. The bottom cover will be released; carefully pull it toward you.

# OPIS LED INDIKACIJA - CUBE



In the event of a software error during operation, **LED No. 4** will illuminate **RED**. After data transmission, **LED No. 4** will flash **YELLOW** for a few seconds before the device restarts.

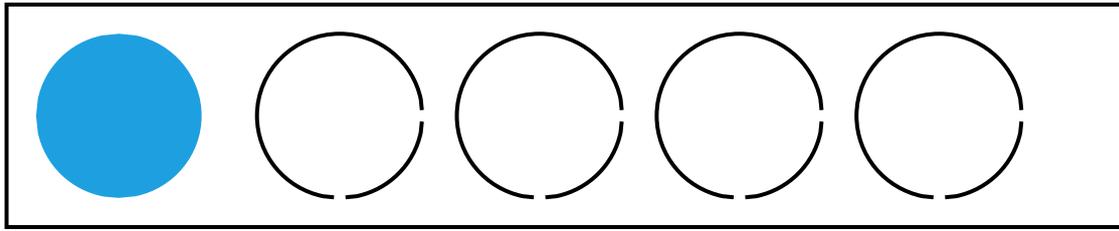
(CHARGING IN PROGRESS)



LEDS ON THE MOVE

When the vehicle (EV) is charging, the LEDs illuminate sequentially from **5 to 1**, simulating the flow of current toward the vehicle (**GREEN**).

## OTA UPDATE



During an OTA (Over-the-Air) update, **LED No. 1** turns **BLUE**. If the update is successful, **LED No. 1** briefly lights **GREEN**, then turns **BLUE** again, followed by a device restart.

If an error occurs during the OTA update, **LED No. 1** will alternate between **BLUE** and **RED**. It will return to **GREEN** once the device resumes normal operation.



## SPARKSHARE EV CHARGER OPERATING MODES

*Before configuration via the Sparkshare mobile application, the Sparkshare EV Charger is **limited to 6 A** without supervision or control.*

## **PUBLIC CHARGER WITH SUPERVISION AND CONTROL**

- Use of all SparkShare network features
- Public display of the charger in the mobile application
- Monitoring and control via the mobile application and/or SparkShare portal
- Sharing electrical energy with other users
- Access to additional network capabilities

### **Required to enable:**

- **VISIBLE ON MAP** (optional – increases destination visibility for EV drivers)
- **CLOUD**
  - Charger location setup
  - Definition of operating hours
  - Entry of charging price

### **Note:**

Making the charger visible on the map increases the likelihood that EV drivers will discover your destination.



The charger can be made available to users:

- Free of charge
- With payment

1. Real-time charging payment using **WTC tokens**

2. Charging or gifting via **COMC vouchers** – see the section “*Voucher Creation*”

A stable Wi-Fi connection is required to use advanced charger functions (billing, monitoring, etc.).

## PRIVATE CHARGER WITH SUPERVISION AND CONTROL – OUTSIDE THE SPARKSHARE NETWORK

- Control and monitoring of the charger via the mobile application and/or SparkShare portal
- Use of the charger without public visibility to other users in the SparkShare network

### Note:

- The charger is not part of the SparkShare network (it is not visible on the map to other members of the SparkShare community).
- If the charger is pre-authorized, charging starts automatically when the charger is connected to the vehicle (no additional authorization required).
- In this operating mode, **WTC tokenization is not available.**





## CHARGER WITHOUT SUPERVISION AND CONTROL

- Automatic start of charging immediately after the vehicle is connected
- No supervision or control via the mobile application and/or SparkShare portal
- No access to consumption data or other charging parameters
- No Wi-Fi connection required



### Note:

- Before configuration via the Sparkshare mobile application, the Sparkshare EV Charger is **limited to 6 A** without supervision or control.

# TROUBLESHOOTING

FAULT DESCRIPTION	RECOMMENDED ACTION
<p><b>Sparkshare EV Charger powered off</b></p>	<p>Check the installation. If there has been no power outage from the grid, check the MCB and the RCD. If they are in the ON position, open the Sparkshare EV Charger and verify the presence of voltage at the input terminals using a voltmeter, multimeter, electrical tester screwdriver, or another suitable measuring device. If voltage is present at the input terminals and the Sparkshare EV Charger remains powered off, the unit may be faulty; contact a local Sparkshare partner.</p>
<p><b>Sparkshare EV Charger is hot</b></p>	<p>A temperature alarm will be displayed in the mobile application. The Sparkshare EV Charger will resume operation once its temperature drops to a safe level.</p>
<p><b>Overvoltage / Undervoltage</b></p>	<p>A notification indicating excessive or insufficient supply voltage will be displayed in the mobile application. The Sparkshare EV Charger will not allow charging to start until the incoming voltage returns to the permissible range.</p>
<p><b>Issues during initial activation</b></p>	<p>Deactivate the Sparkshare EV Charger via the Sparkshare mobile</p>

	application and then repeat the device activation process (see the section <i>Device Deactivation</i> ).
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## MAINTENANCE

To ensure long-term stable operation of the Sparkshare EV Charger, perform regular maintenance (recommended at least once per month) in accordance with the environmental conditions.

1. The Sparkshare EV Charger must be maintained by qualified personnel.
2. Verify that the Sparkshare EV Charger is properly grounded and securely installed.
3. Check for any potential safety hazards in the vicinity of the Sparkshare EV Charger.
4. Ensure that there are no sources of high temperature, corrosion, or flammable or explosive substances near the Sparkshare EV Charger.
5. Check that the input terminals of the Sparkshare EV Charger have a secure connection to the incoming cable and that there are no abnormalities.

Please comply with the safety instructions; failure to do so may result in danger to life, personal injury, and damage to the device, for which Sparkshare or the supplier assumes no liability.

In the event of disposal of the Sparkshare EV Charger, please sort and recycle the waste in accordance with local recycling guidelines.

# **INSTRUCTIONS FOR SPARKSHARE MOBILE APP**

# DOWNLOADING

Download the mobile application available in the [Apple App Store](#)

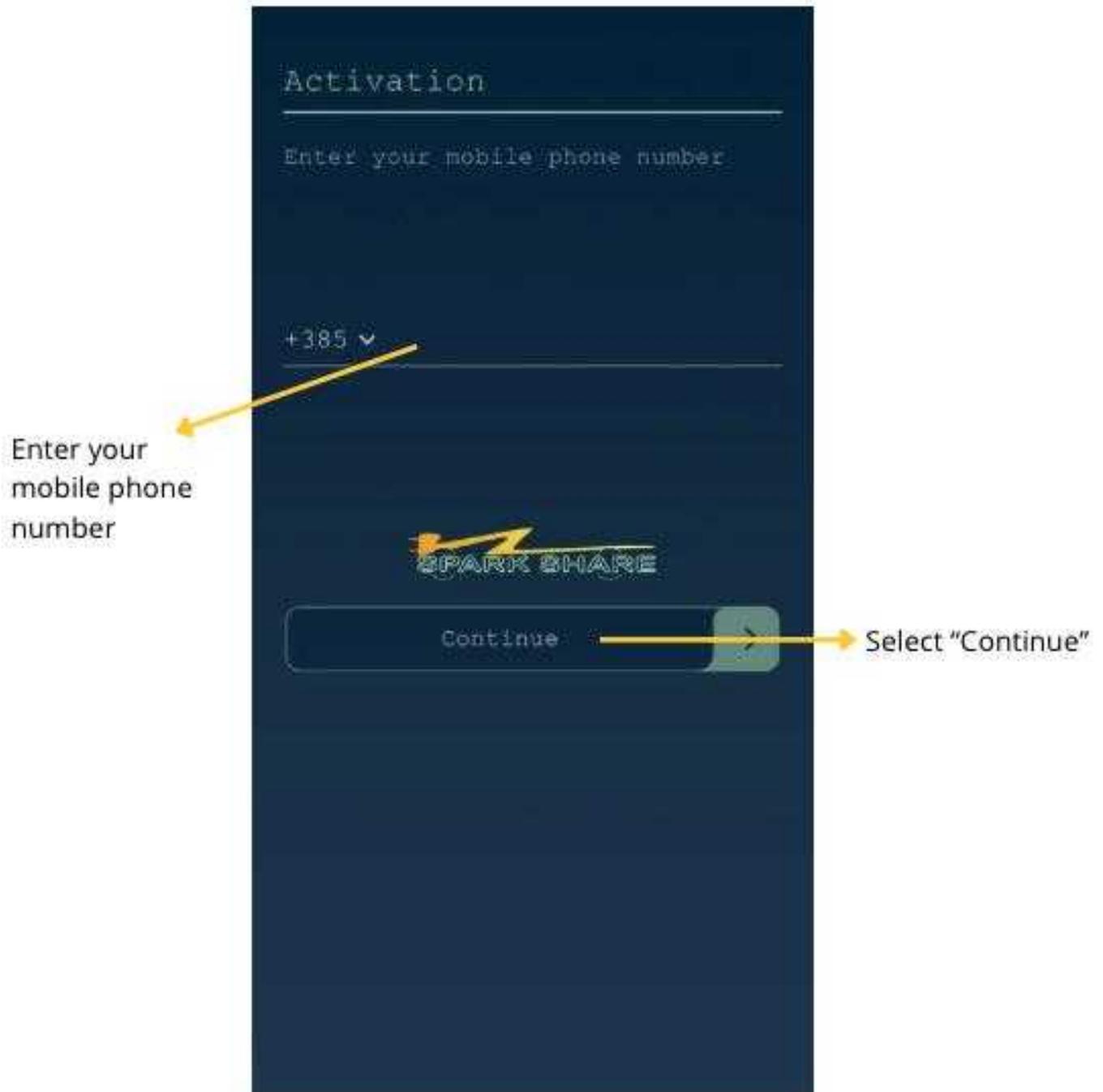


and [Google Play Store](#).



# REGISTRATION

Open downloading the application, you will need to register in the following manner:



In a few seconds, you will receive an activation code via SMS.



Enter your new PIN, and then confirm it by re-entering it. You will need this PIN for all future access to the application.

Activation

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Enter your unique login PIN

— — — —

1	2	3
4	5	6
7	8	9
	0	

By creating an account, you agree that you have read these Terms of Use and Privacy Policy and that you accept them.

Activation

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Repeat PIN entry

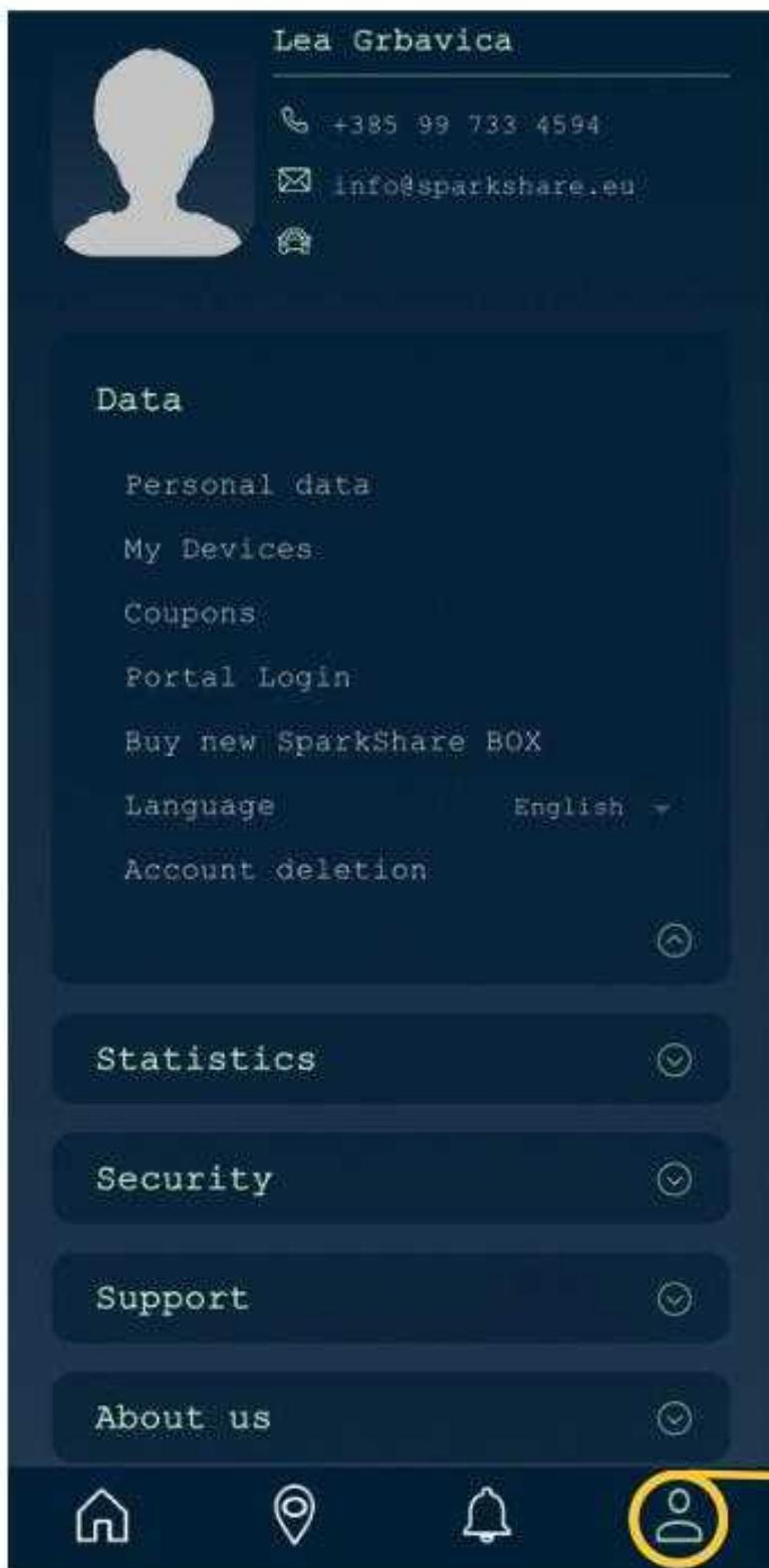
— — — —

1	2	3
4	5	6
7	8	9
	0	

By creating an account, you agree that you have read these Terms of Use and Privacy Policy and that you accept them.

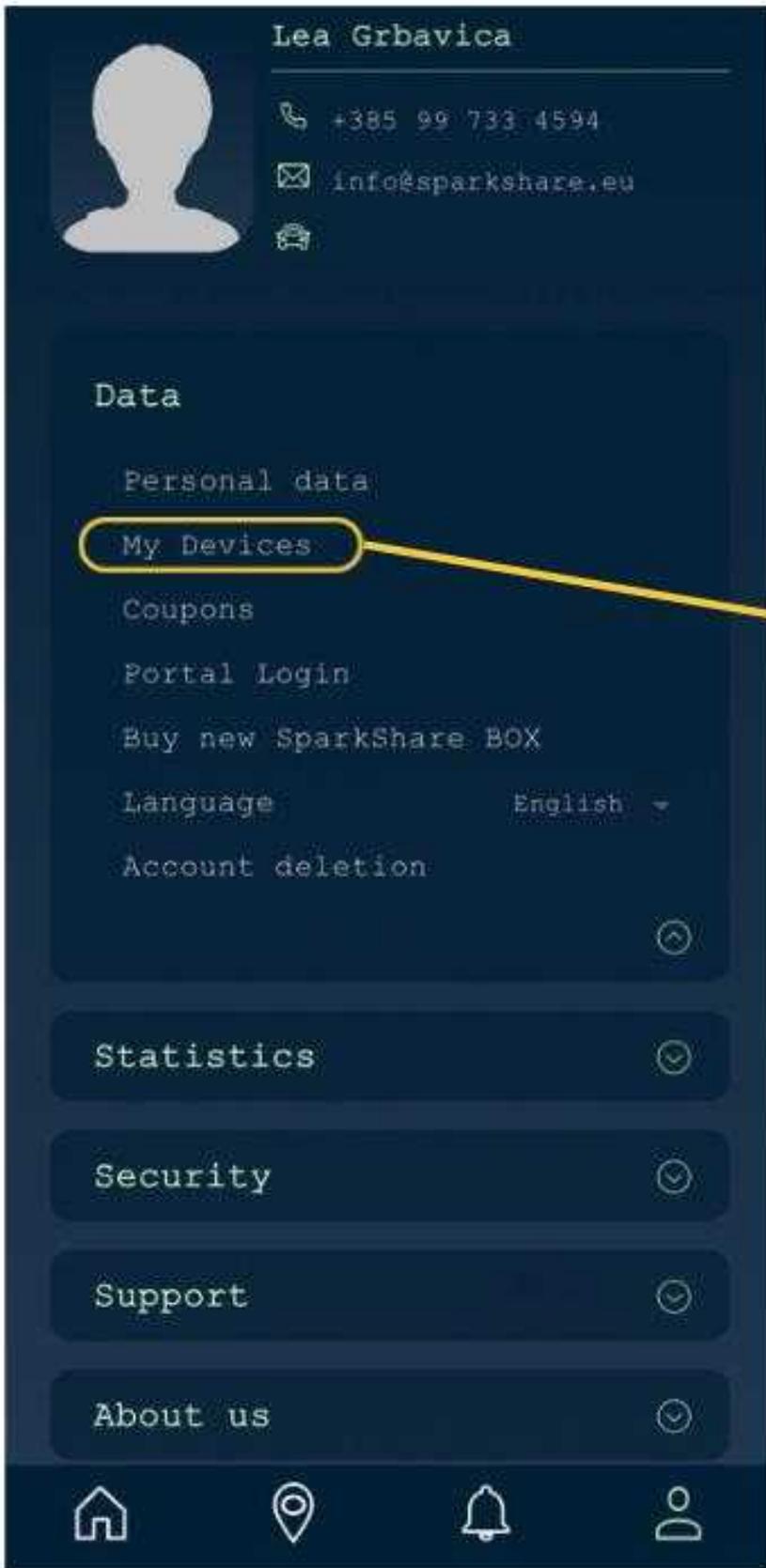
# ADDING A DEVICE

The device is set to a **6A limit!** To increase the capacity, you need to **connect the device to the mobile app.**



On the home page, select "Profile"





Select  
'My Devices'

If you have one  
or more  
devices, they  
will be  
displayed here



If you have one or more devices, they will be displayed here

If you want to add more devices, select "Add New"

If you do not have a connected device to your user account, a 'Adding Device' window will open automatically.

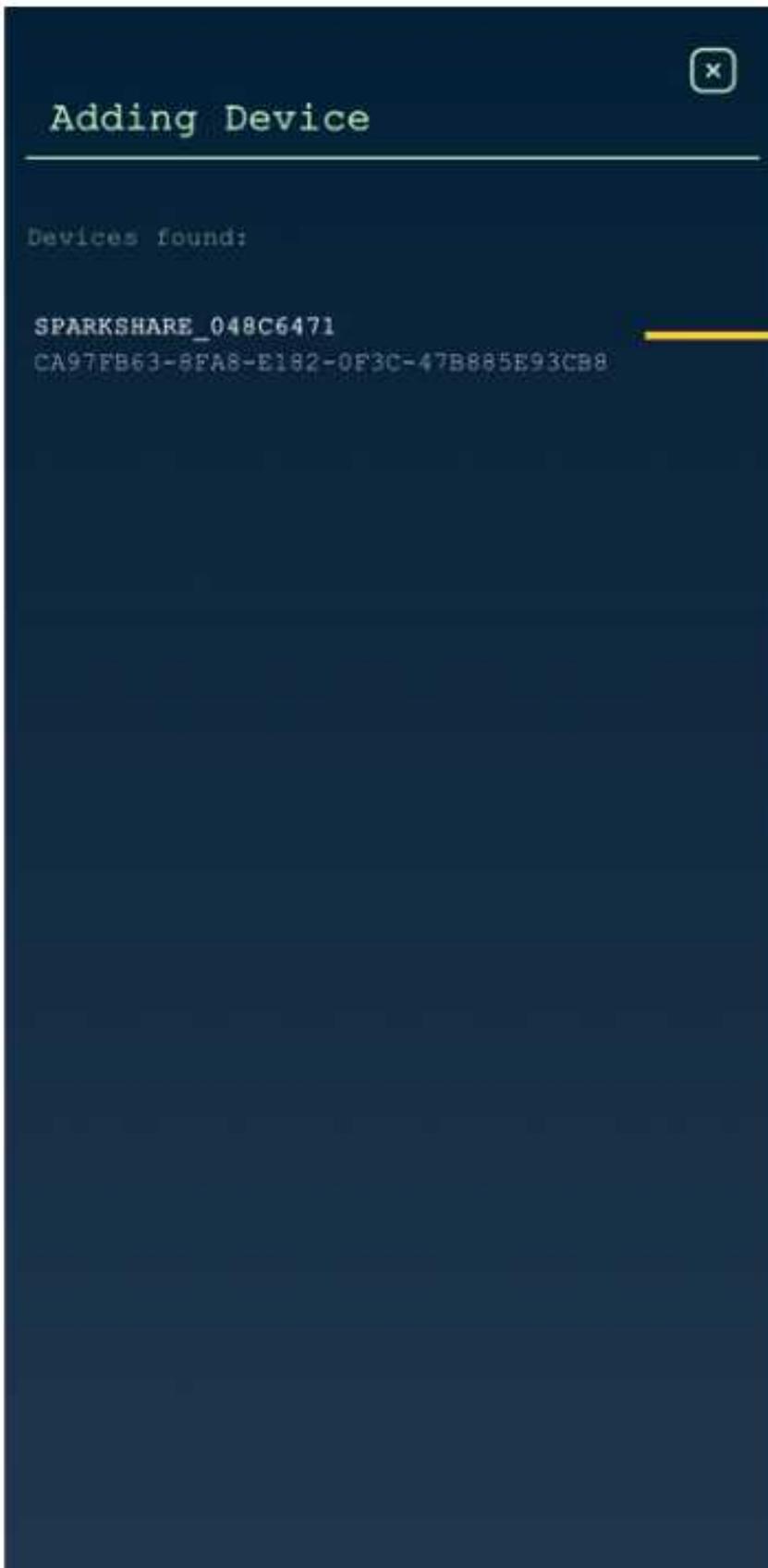


You can add a device by scanning the QR code

Or by searching for available devices via Bluetooth

**The device does NOT connect via Bluetooth of the mobile device, but exclusively through the SparkShare mobile app.**

If you select "Search Bluetooth," the following window will appear.



Select the device you want to add to your user account

**When activating the SparkShareBOXEV through the mobile app, the BOX must not be connected to the EV!**

After selecting the device, the "Set up WiFi" window will appear. In this window, you will need to enter the WiFi network details to which the device will connect.



The image shows a dark-themed window titled "Set up WiFi" with a close button (X) in the top right corner. Below the title, there are two input fields: "Wi-Fi SSID" and "Wi-Fi Password". The "Wi-Fi Password" field has a visibility toggle icon (an eye with a slash) on its right side. At the bottom of the window, there is a large "Set" button with a green checkmark icon on its right side.



After entering the WiFi details, the mobile app and the device will be connected. You will then be able to enter the details for your SparkShareBOXEV.





# CONVERSION EUR-WTC

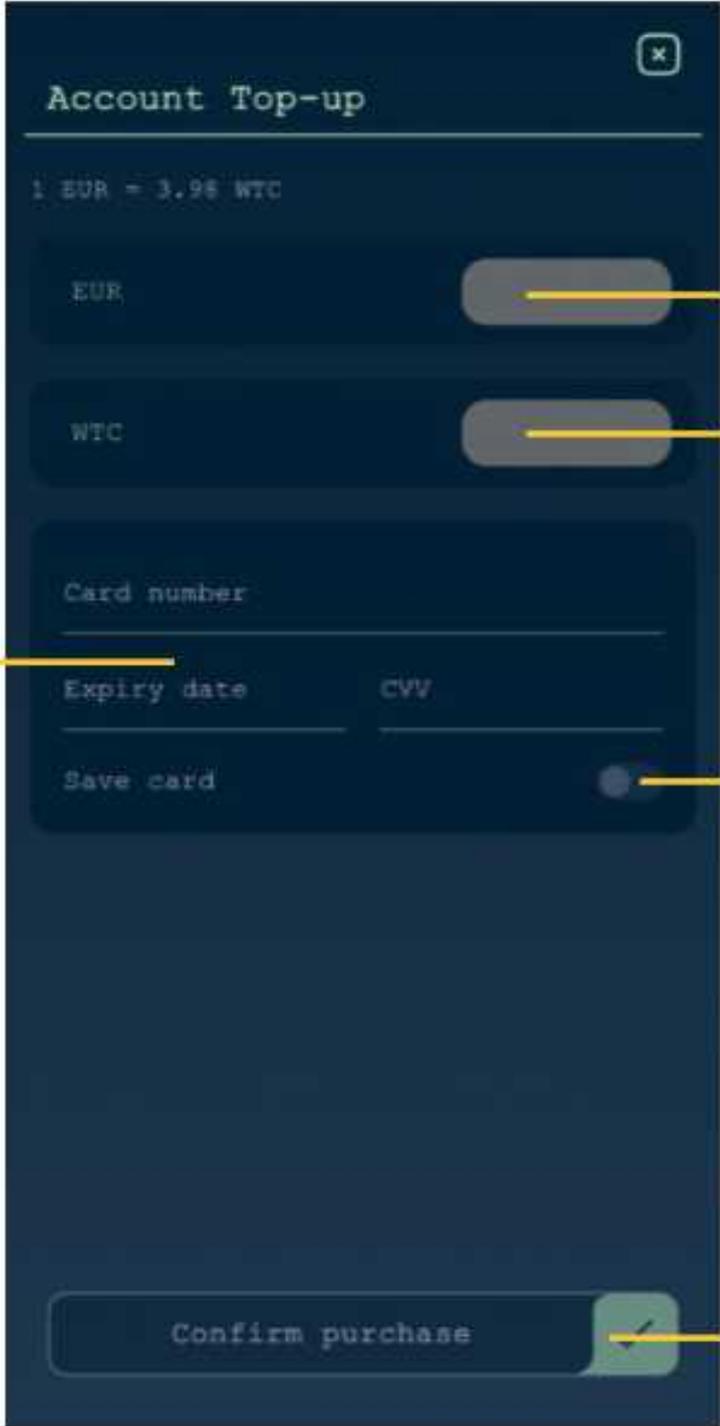
Within the SparkShare community, the medium of exchange for energy transactions is WTC tokens. The deposit of WTC tokens to your SparkShare account is carried out as follows:



On the home page, select the circled icon



After selecting the + icon, "Account Top-up" will open



The screenshot shows the "Account Top-up" interface. At the top, it displays the title "Account Top-up" and a close button. Below the title, the exchange rate "1 EUR = 3.98 WTC" is shown. There are two input fields: "EUR" and "WTC", each with a numeric keypad. Below these are fields for "Card number", "Expiry date", and "CVV". A "Save card" toggle switch is located below the card details. At the bottom, there is a "Confirm purchase" button with a checkmark icon.

Enter the card details from which the payment will be made

In the designated field, enter the amount in euros that you wish to deposit

The amount in euros will be automatically converted to the equivalent in WTC tokens

By enabling the "Save card" option, the details will be saved in the app, which can speed up the process of depositing funds

After entering the necessary information, select "Confirm purchase"

# TRANSFER OF WTC TOKENS

If you want to transfer WTC tokens from your account to another member of the SparkShare community, the steps are as follows:



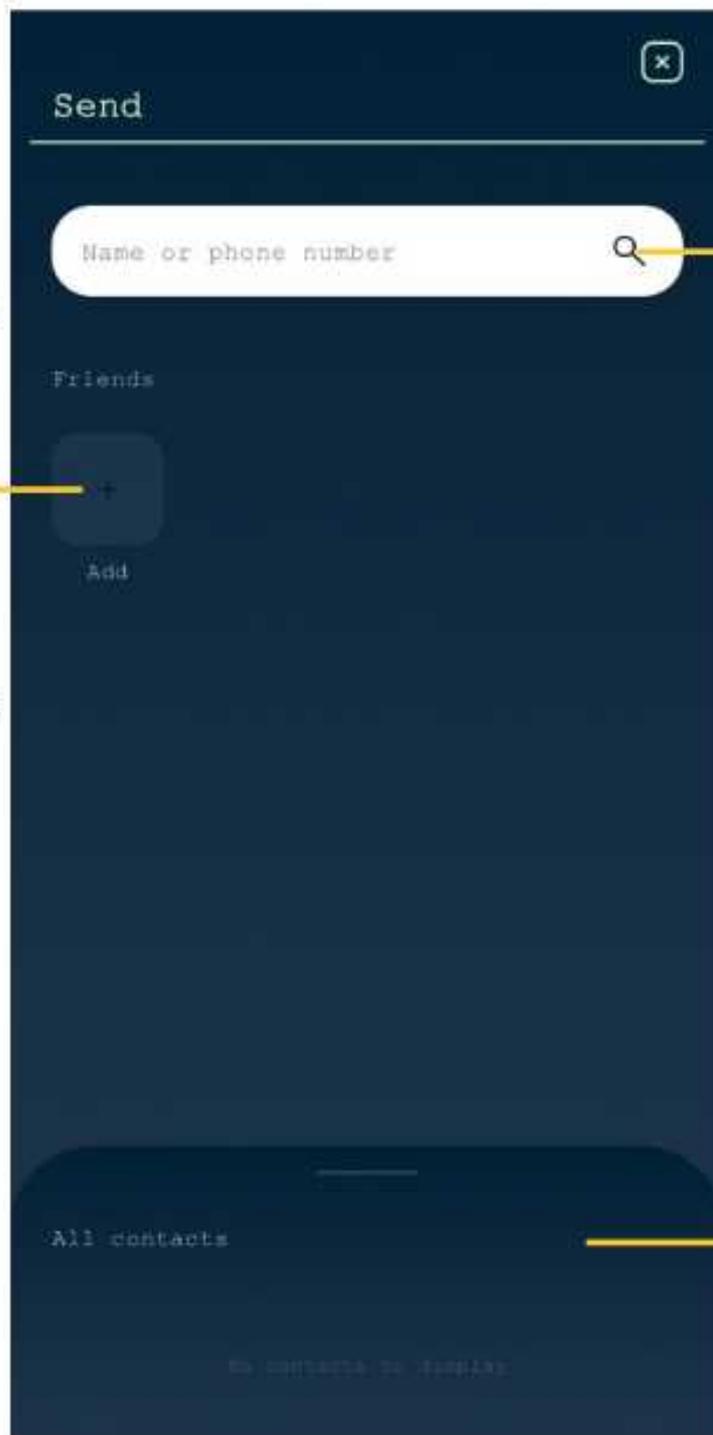
On the home page, select the circled icon

After selecting the displayed icon, a list of WTC transactions will open



To make a transfer, you need to select "Transfer"

By selecting the "Add" option in the "Friends" section, you can add people from your contacts to quick dial, allowing for faster transfers of WTC tokens in future transactions



In the designated area, you can search for contacts by name or phone number

All your contacts will be displayed, and those who have the SparkShare app will have the SparkShare logo next to their name

After selecting the person from your contacts to whom you want to make a transfer, the following window will open:



# CHARGING AT SPARKSHARE LOCATIONS FOR USERS WITHOUT SPARKSHAREBOXEV

If you do not own your own SparkShareBOXEV, charging your EV at SparkShare locations is certainly possible.

You need to register in the SparkShare mobile app and deposit funds into your SparkShare account.



To start charging, you need to select "Start Charging" on the "Homepage"



## QR Code Scanning



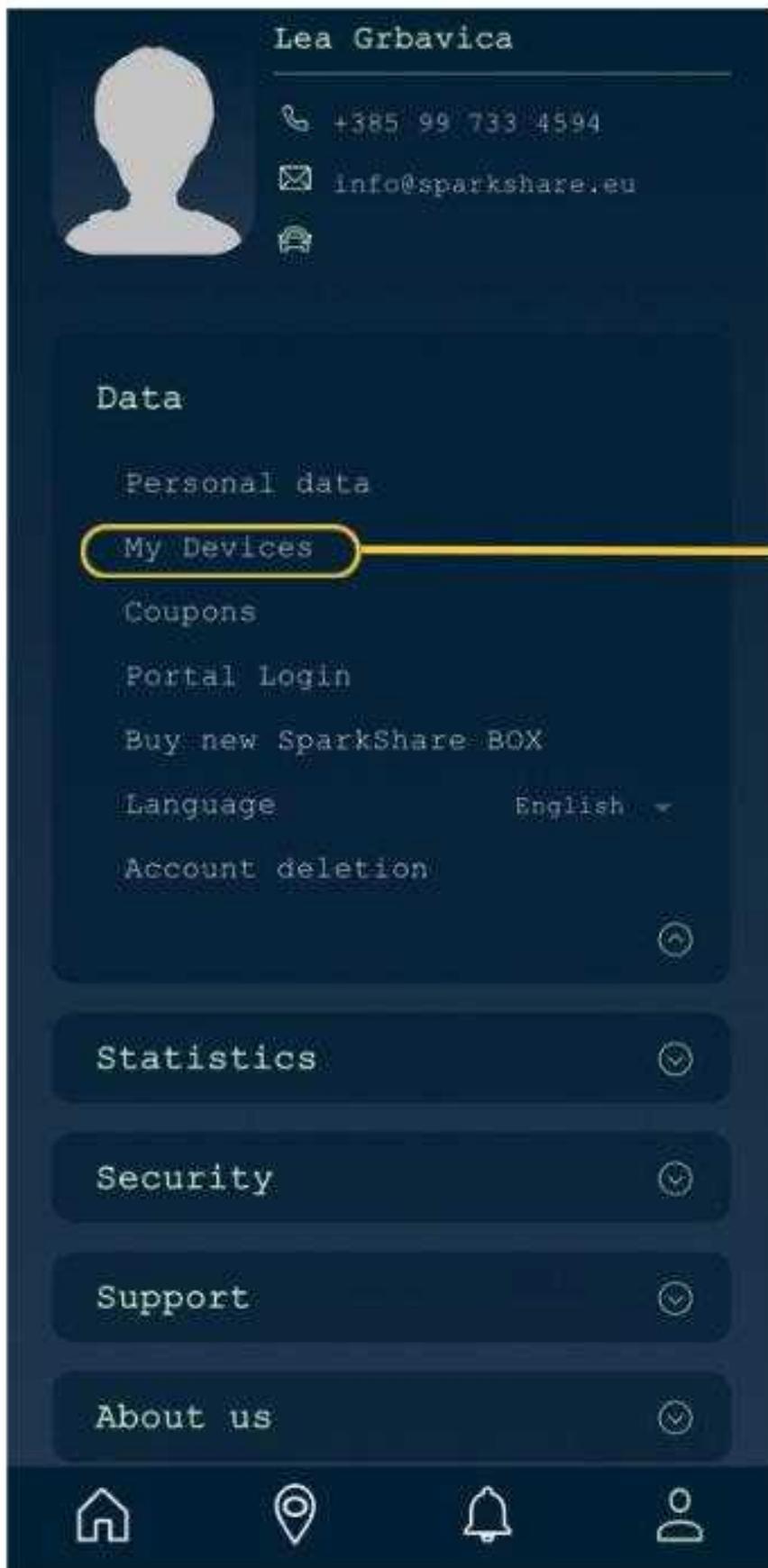
Bring your mobile device closer to the QR code sticker. The entire label should be within the displayed edges. Turn on the flash if necessary.

After selecting "Start charging," a window will open where you need to scan the QR code of the charger, after which the charging will begin

# DEVICE DEACTIVATION

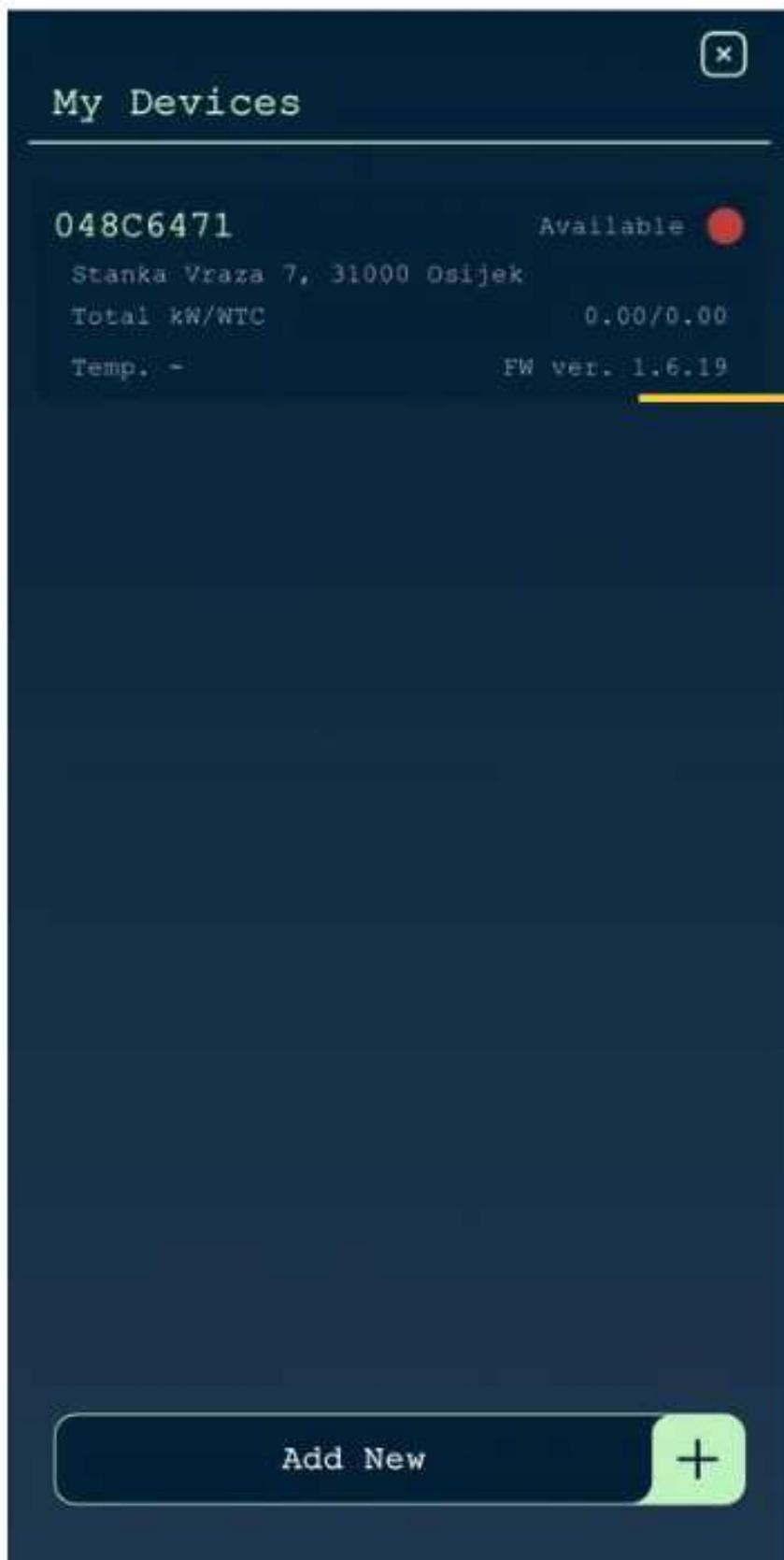


On the home page, select 'Profile'

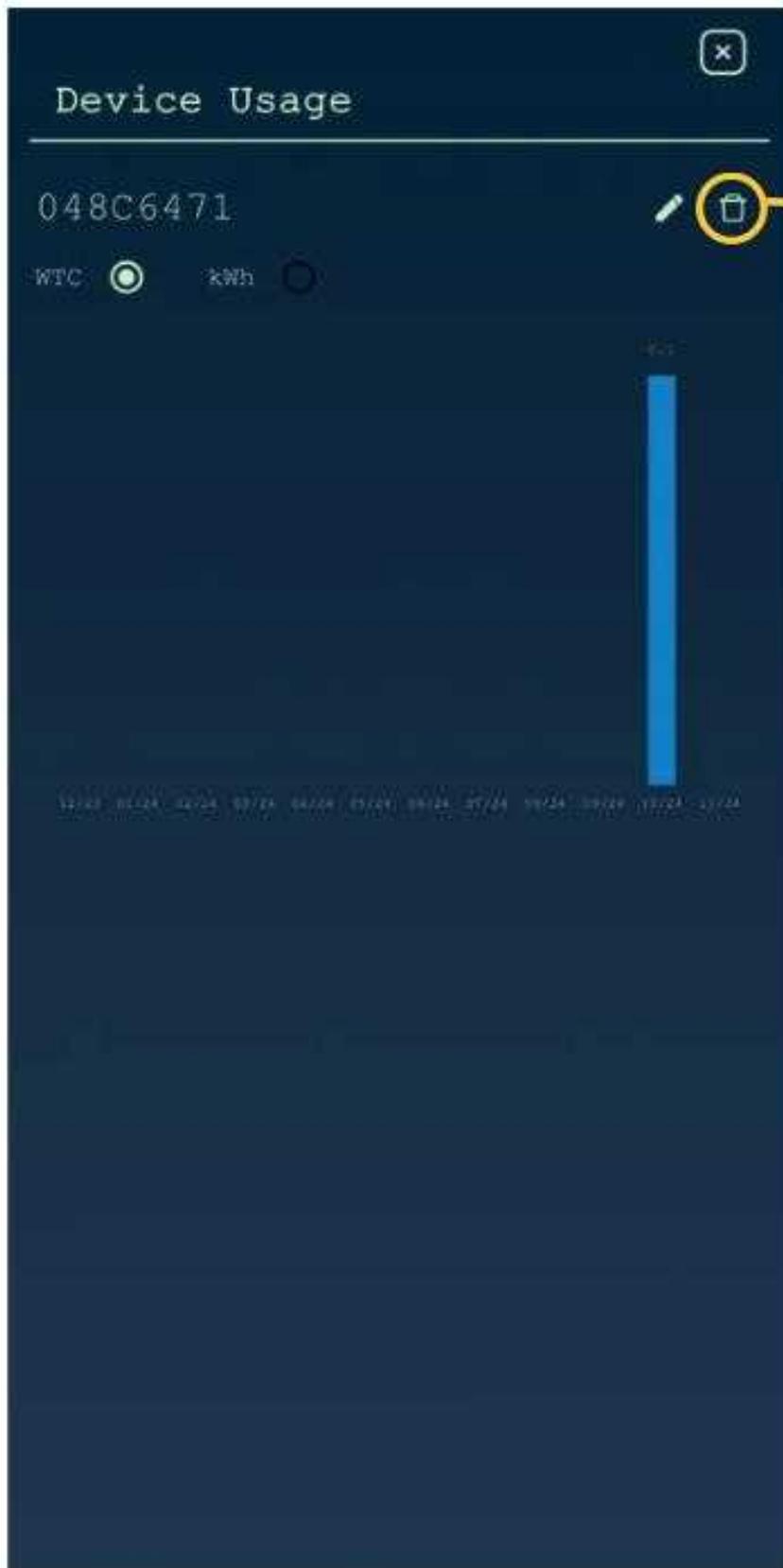


Select "My Devices"

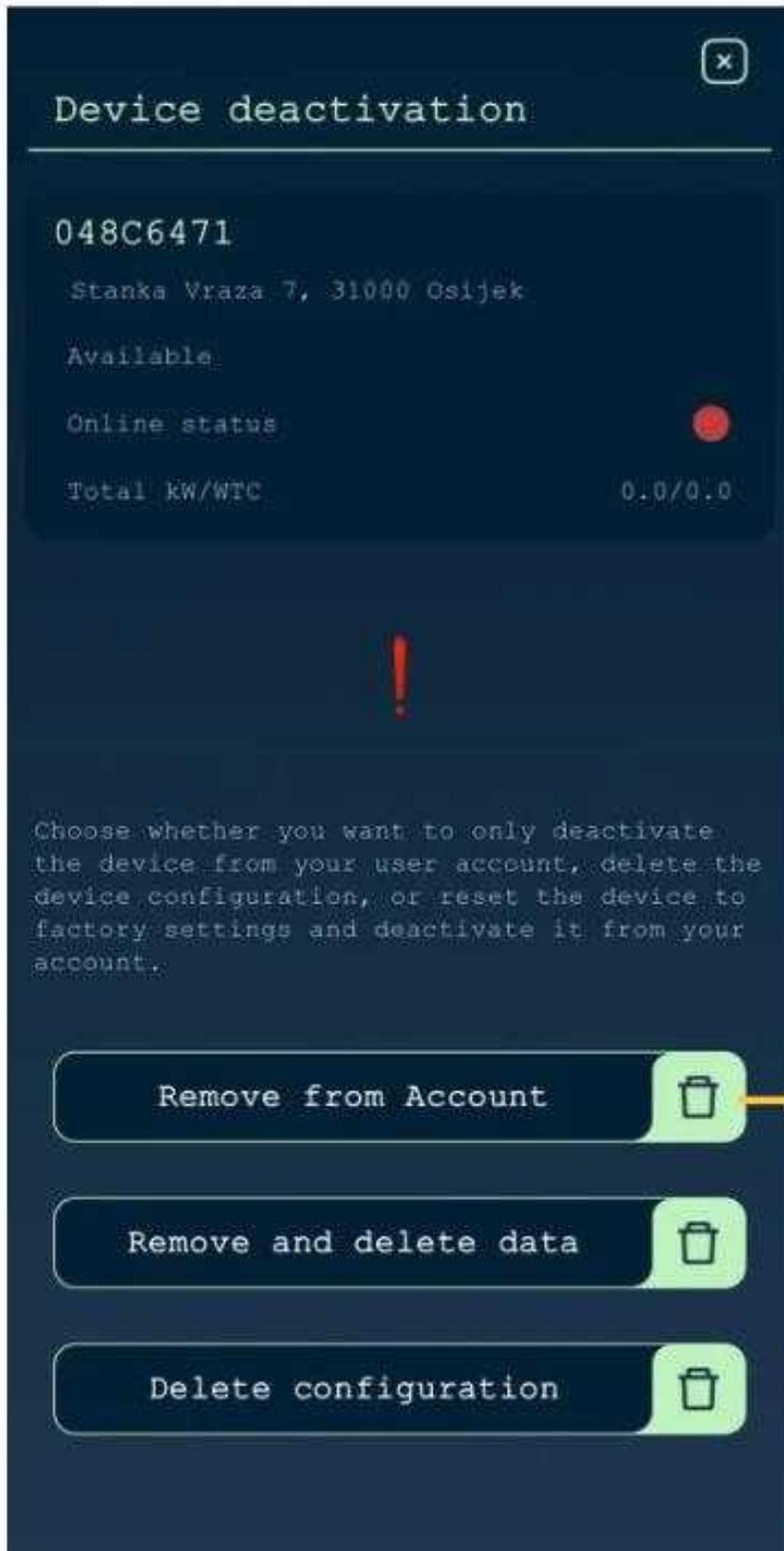
In the section „My Devices“ all devices connected to the user account will be displayed.



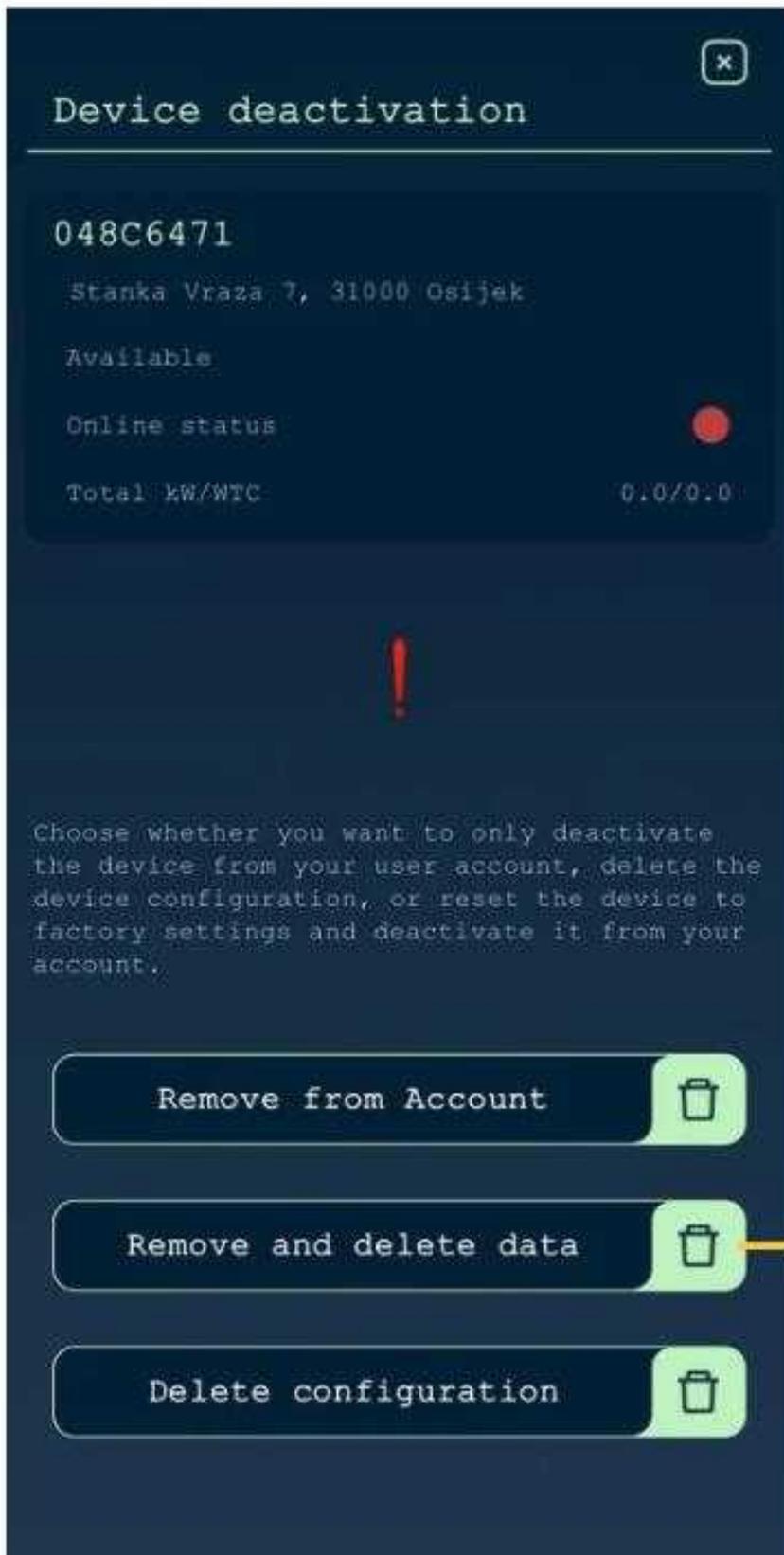
Select the device on which you want to take specific actions



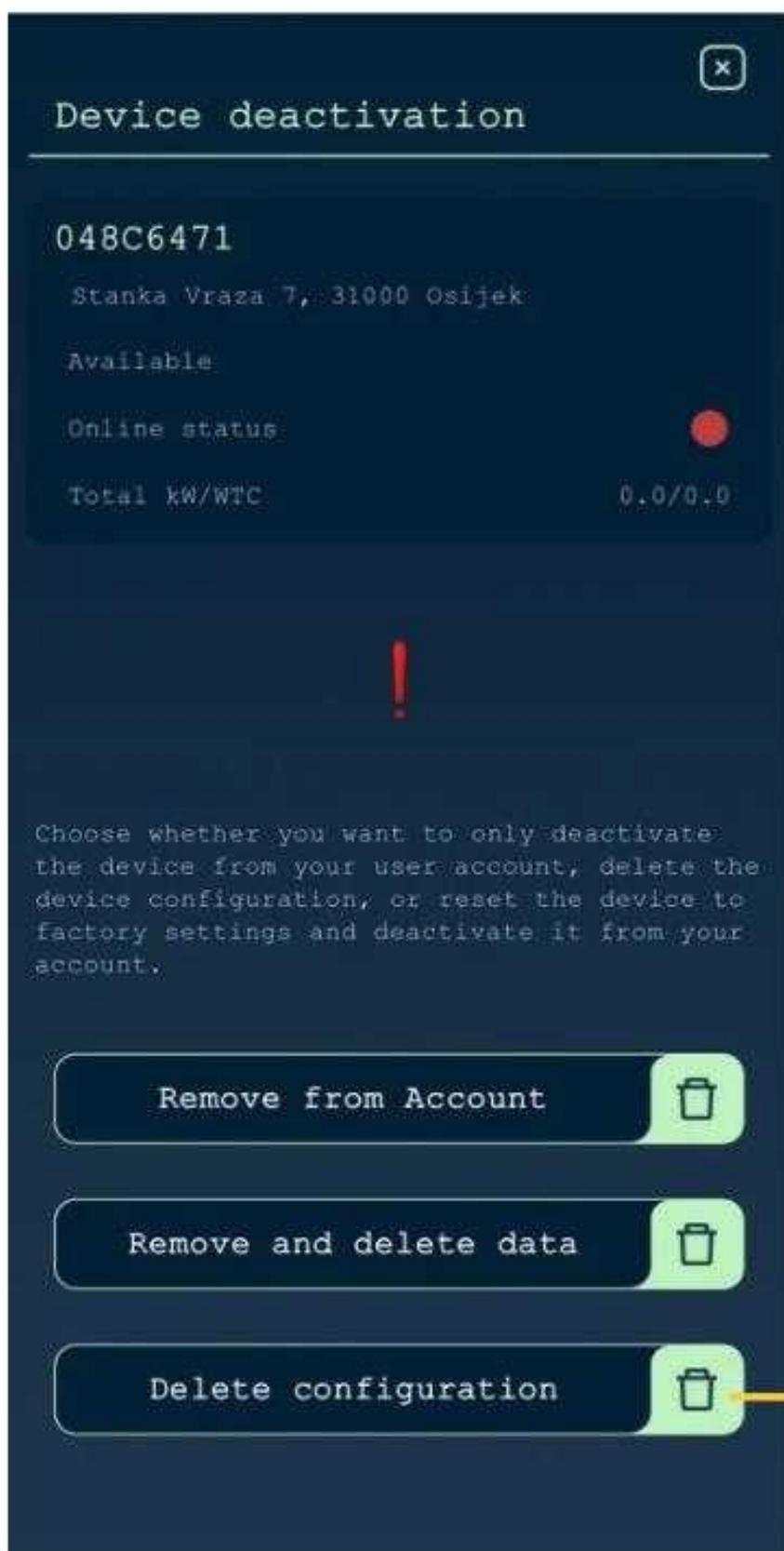
To deactivate the selected device, choose the circled icon



By selecting the "Remove from Account" option, the device will be removed from your account. All previously entered data (description, operating hours, images, etc.) will remain stored, allowing the new user to easily activate the device without having to re-enter information.



By selecting the "Remove and delete data" option, the device will be removed from your account, and all entered data (description, operating hours, images, etc.) will be permanently deleted. This option is useful when you plan to sell the device, as it ensures that the new user will not have access to your data.



By selecting the "Delete configuration" option, all data entered for that device (description, operating hours, images, etc.) will be permanently deleted. This option is useful when you want to reset the device to its default settings, for example, after making numerous changes and wishing to return to the original state.

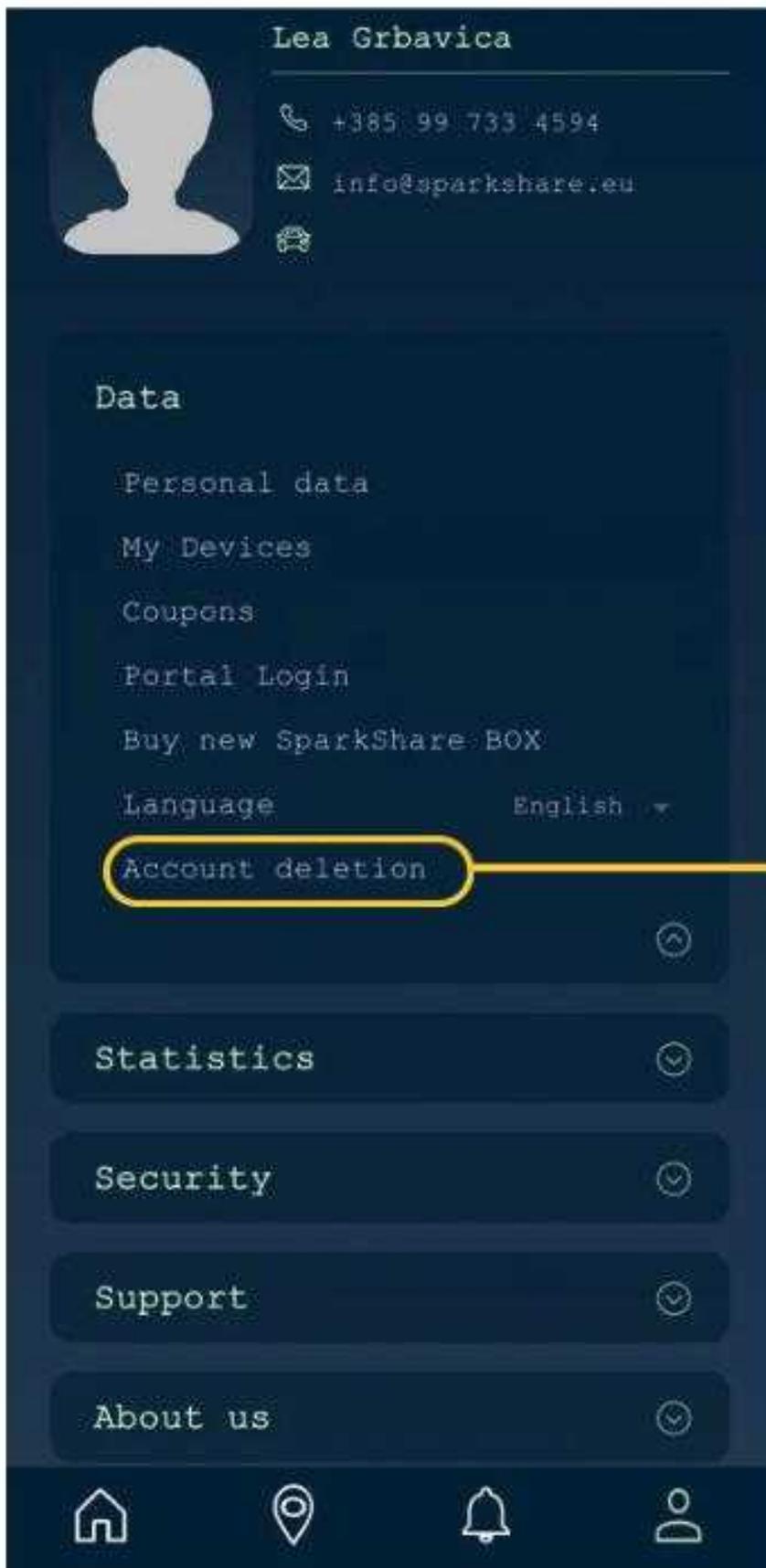
# ACCOUNT DELETION

The "Account deletion" option is used for the permanent removal of your user account from the SparkShare application. This process will deactivate all devices connected to your account.

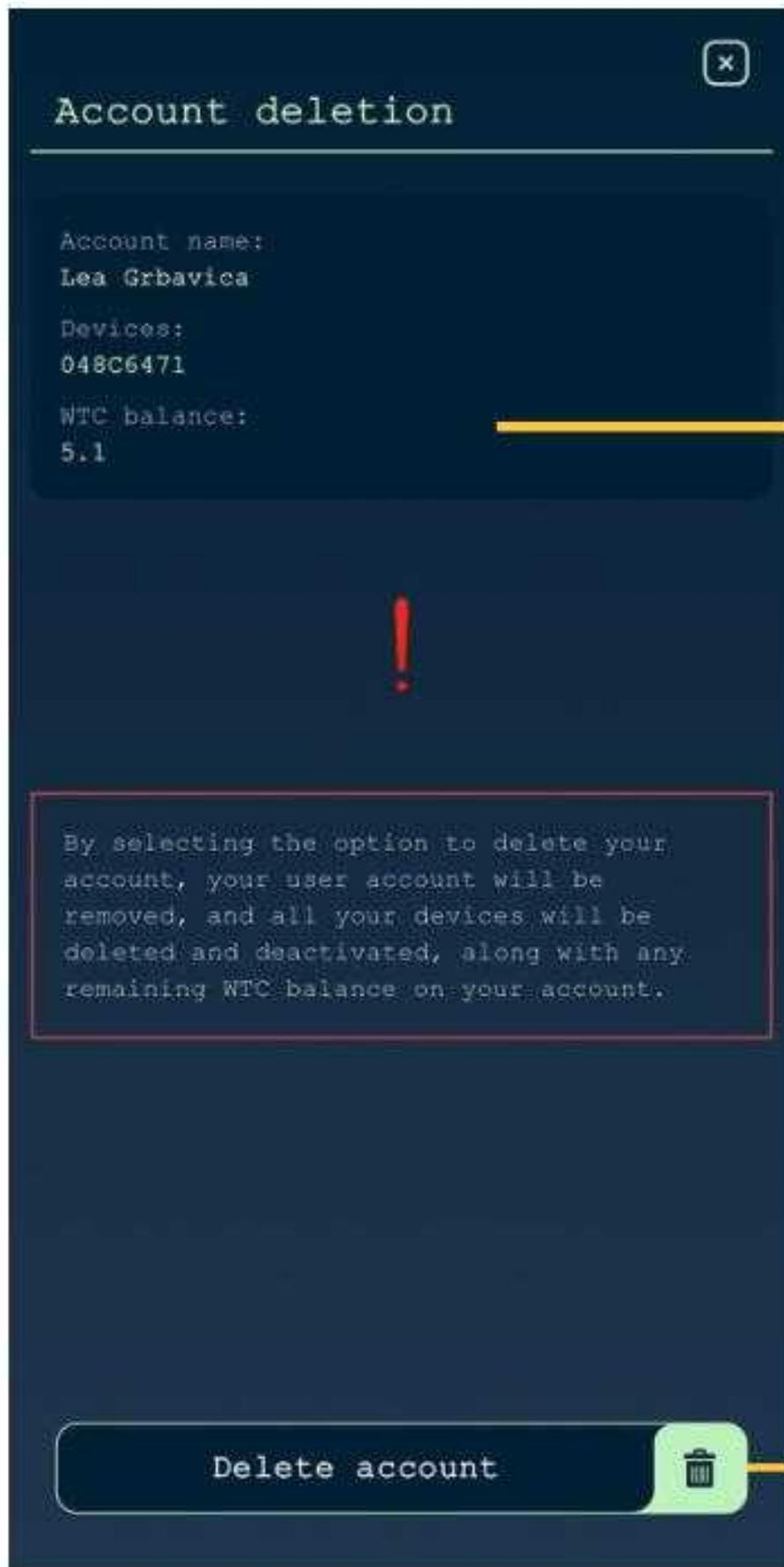
This option is useful when you have, for example, installed the SparkShare mobile application, activated it, used it, and then decided that you no longer wish to use the SparkShare application.



On the home page, select 'Profile'



In the "Profile,"  
select "Account  
deletion"



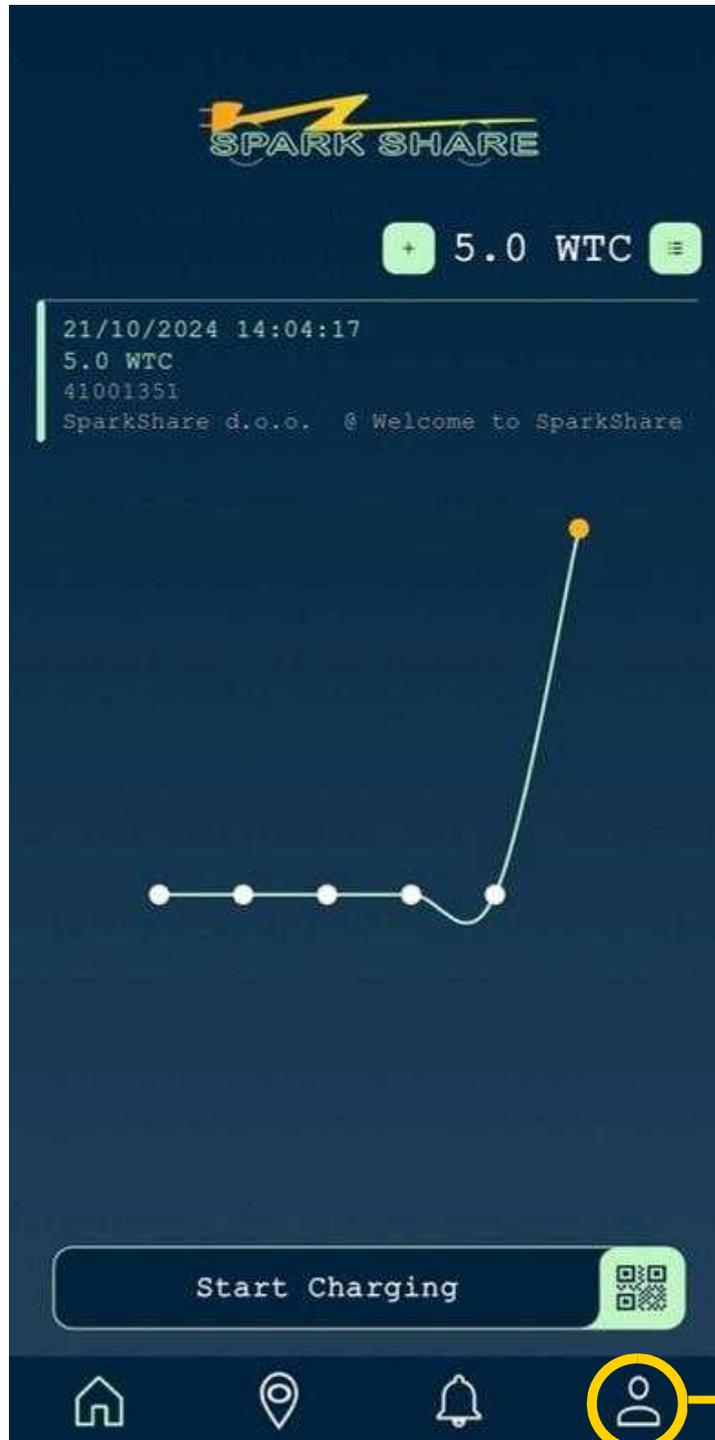
You will be taken to "Account deletion," where the devices connected to your user account and your WTC balance will be displayed

If you want to delete all of the above, select "Delete account"

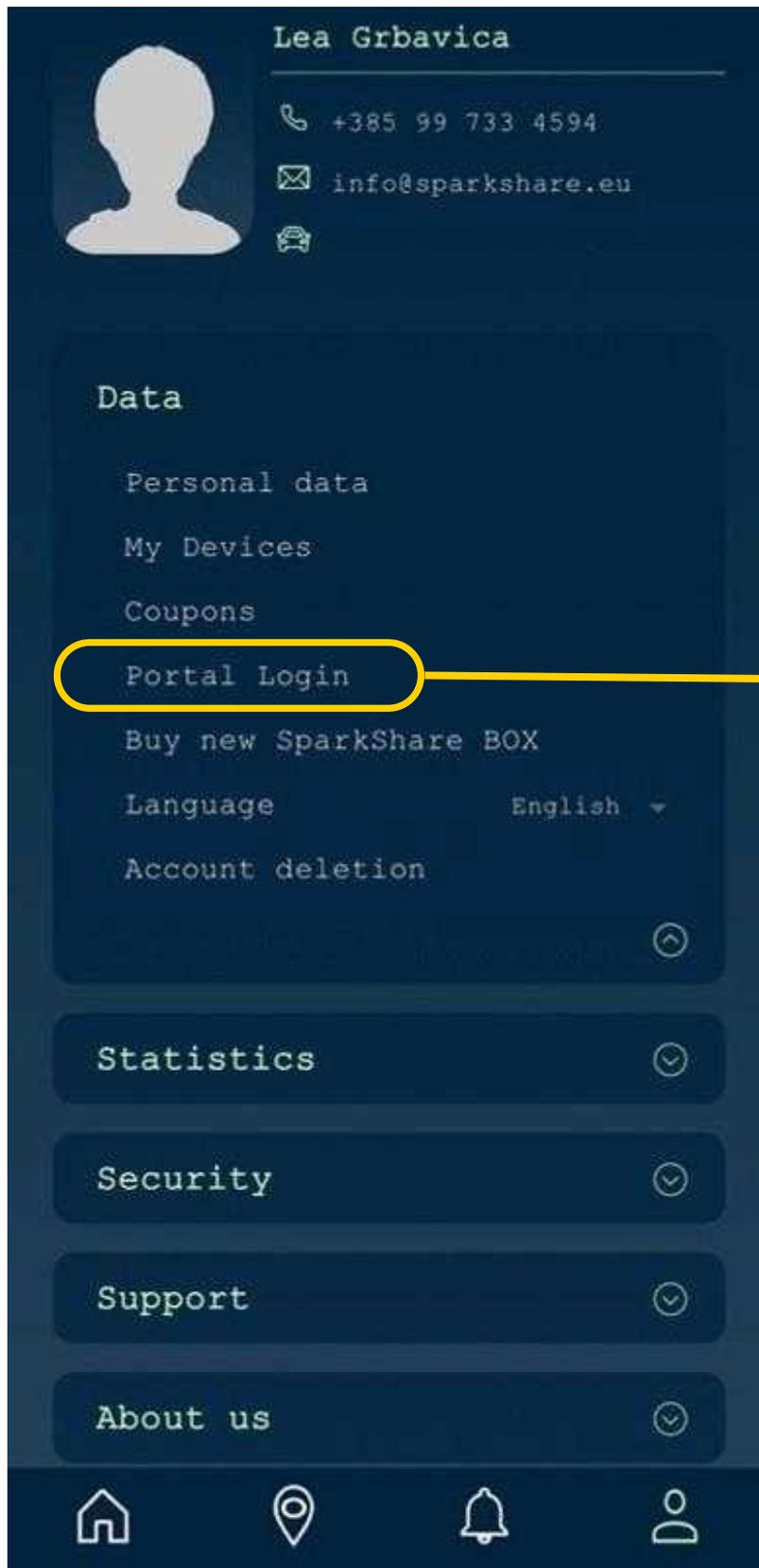
# SPARKSHARE PORTAL

# LOG IN TO THE SPARKSHARE PORTAL

The login to the SparkShare Portal is done through the SparkShare mobile app.



On the "Home Page", select "Profile"



Select "Portal Login"

After selecting the "Portal Login" option, a window will open where you need to scan the QR code.

## Portal Login



Login to the SparkShare Portal by scanning  
the QR code  
(<https://portal.sparkshare.eu>)

Token ID

5412 2122

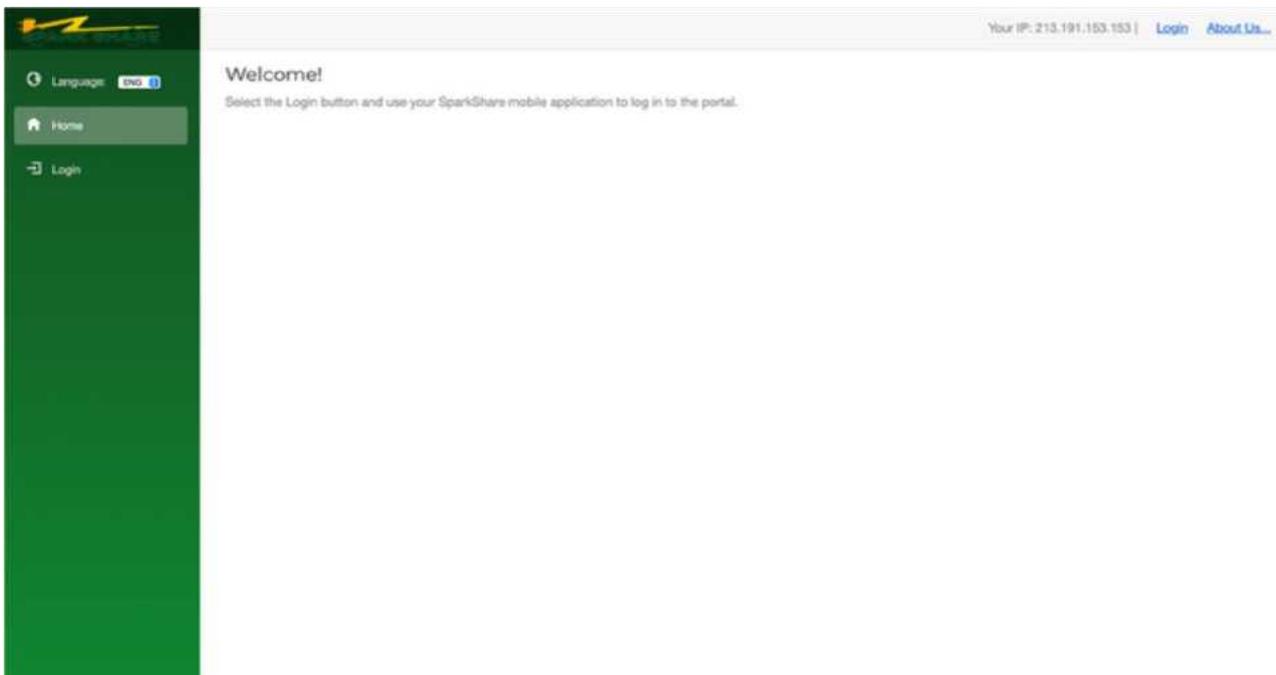
Token PIN

368H E884

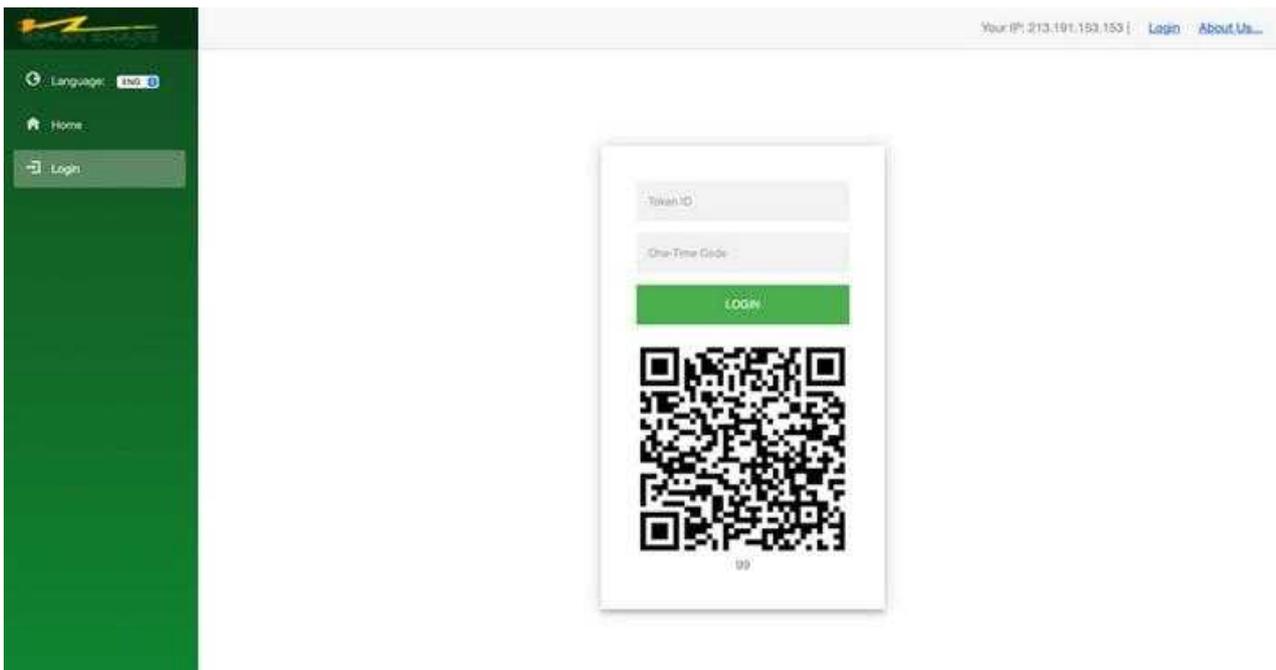


Scan the QR code to login

To find the QR code, visit the [SparkShare Portal](https://portal.sparkshare.eu) website (portal.sparkshare.eu).



On the homepage, select the "Login" option in the top right corner.



Scan the QR code using the mobile app.

# SPARKSHARE BOX

## DATA

In this menu, you have a detailed overview and control over your charger, including options such as Reboot, managing the latest Firmware, and controlling the charging process itself. All relevant data about your charger is displayed here, but please note that data such as manufacturing information, the color of the decorative box, voltage calibration, and similar technical characteristics are not subject to change.

- **Reboot Button:** By selecting this option, you will restart your device. Use it with caution, as it is intended to resolve more serious technical issues. It is not recommended for minor problems, as unnecessary use may lead to data loss or system interruptions.
- **Download QR Button:** By clicking this option, the app will download the QR code of your charger to your device. The QR code is also visible to the right of the button, and you can print it out and place it on the SparkShare box. By scanning the QR code, you can easily start charging on your device.
- **Print QR Button:** By selecting this option, you can print the QR code of your charger on a template that includes instructions for downloading the app, adding funds, and starting a charging session. Below the QR code (on the portal page), there is a Start Charge Watermark option that allows further customization of the template — you can upload your own image to use as the background for the charger's QR template.
- **Edit Button:** By clicking this option, you can configure the charger's visibility on the map, location, connector type, description, working hours, additional services, and more.

Below these buttons are the device details, including the current version of the Firmware installed on the charger, as well as your device's RegID. This data provides a better overview of the device's status and helps maintain its functionality.



# HEARTBIT

This submenu allows for real-time monitoring of the device's communication with the cloud.

The screenshot shows the 'SparkShare Devices' interface. At the top, it displays 'Your IP: 213.191.153.153 | User: 003859973345941' with links for 'Logout' and 'About Us...'. The main title is 'SparkShare Devices' with a dropdown for 'Select device: 048C6471'. Below this are several tabs: 'Data', 'Heartbit' (selected), 'Current Charging', 'DNS Actions', 'Charges', 'EVSE', 'Int. measurements', 'Coupons', and 'Map'. There is an 'Excel' button and a 'On day' selector. A 'Top 10' dropdown and a 'Live Update' checkbox are also present. The main content is a table with columns: 'id', 'Sec No', 'Time', 'Response', and 'DNS Respo...'. The table contains 10 rows of data, all showing 'Stay Idle' responses and '1.0.0.0' DNS responses.

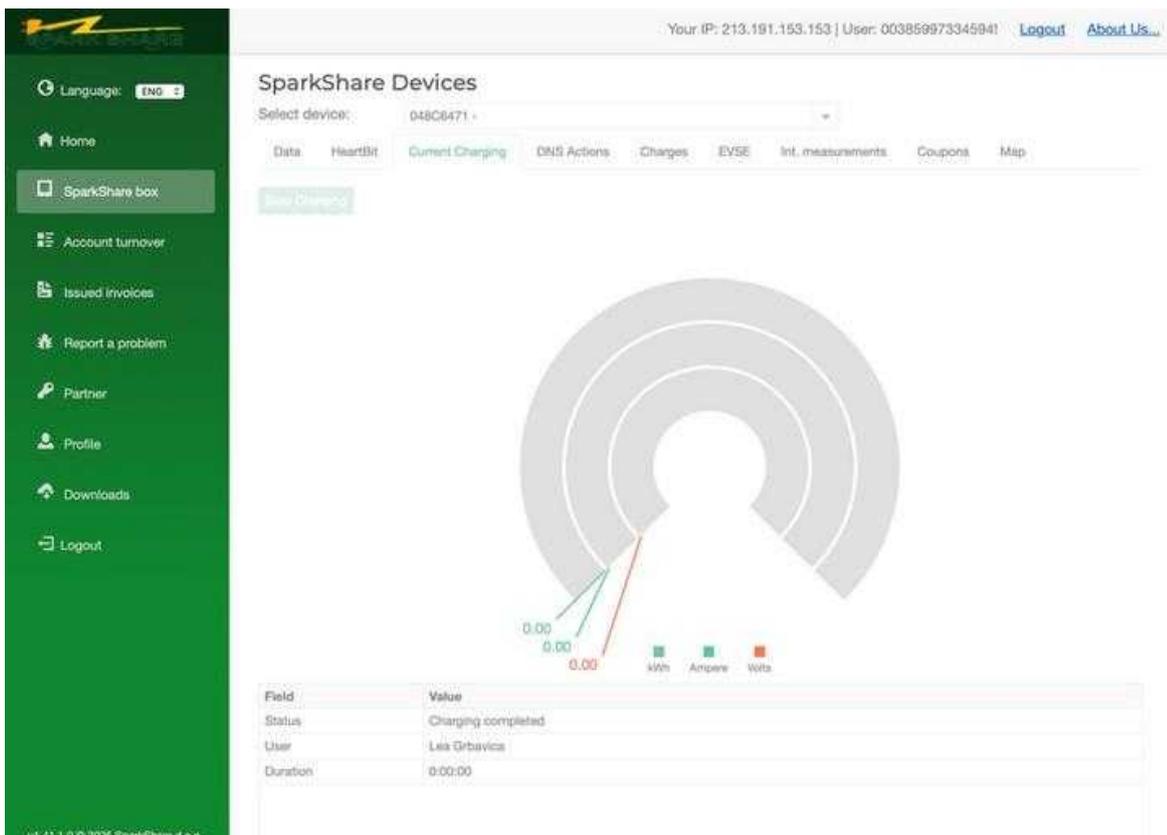
id	Sec No	Time	Response	DNS Respo...
37372084	74	20/01/2025 11:52:55	Stay Idle	1.0.0.0
37372073	73	20/01/2025 11:52:51	Stay Idle	1.0.0.0
37372062	72	20/01/2025 11:52:47	Stay Idle	1.0.0.0
37372051	71	20/01/2025 11:52:43	Stay Idle	1.0.0.0
37372040	70	20/01/2025 11:52:39	Stay Idle	1.0.0.0
37372028	69	20/01/2025 11:52:35	Stay Idle	1.0.0.0
37372016	68	20/01/2025 11:52:31	Stay Idle	1.0.0.0
37372005	67	20/01/2025 11:52:27	Stay Idle	1.0.0.0
37371992	66	20/01/2025 11:52:22	Stay Idle	1.0.0.0
37371980	65	20/01/2025 11:52:18	Stay Idle	1.0.0.0

## CURRENT CHARGING

This submenu allows you to monitor and control the current charging process on your device. It provides insight into key information such as the charging status, the user currently using your charger, and the start time and duration of the charging session.

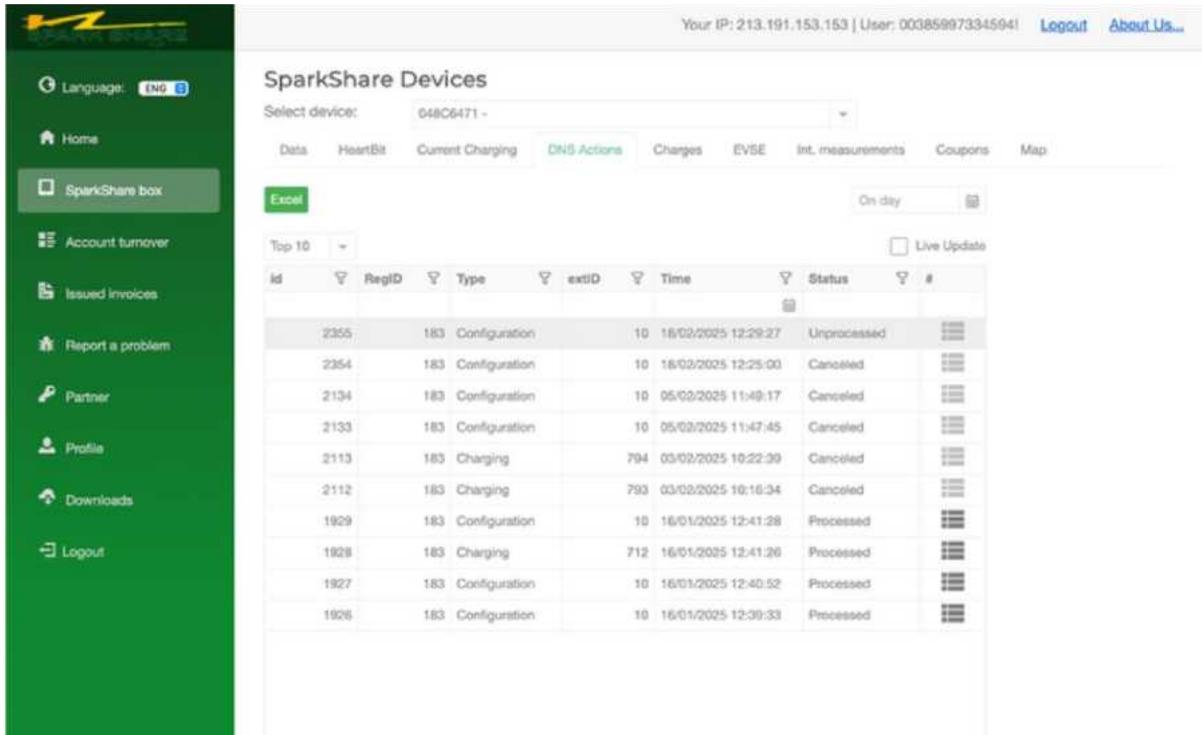
Along with these basic data points, you can also see technical parameters such as the current voltage, current, power, and the amount of energy the device registers during charging.

In the Details section, additional information is available, including voltages and currents per phase, temperatures within the device, and voltage frequency. These details provide deeper insight into the technical aspects of our charger's operation and its condition during the charging process.

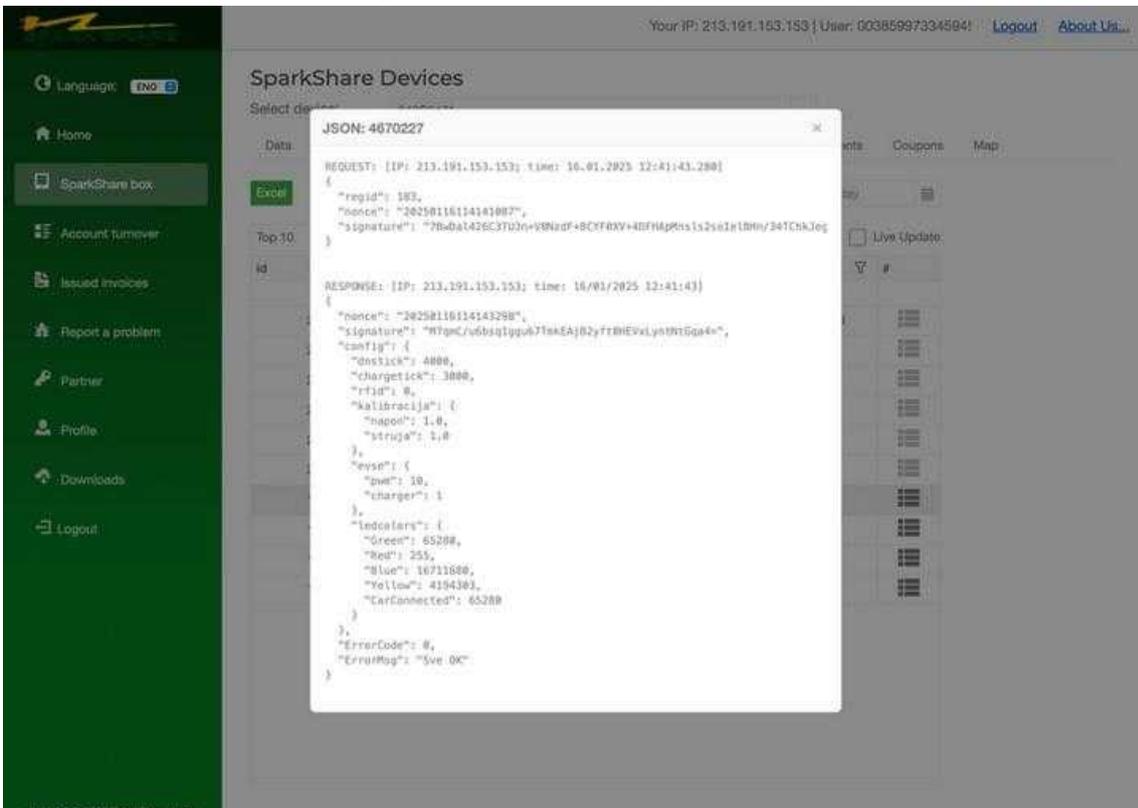


# DNS ACTION

When you log into the app, on your left side, we have the menus listed from top to bottom: Language, Home, SparkShare box, Account Traffic, Invoices Issued, Report a Problem, Profile, and Log Out.



Example of a JSON string:





# CHARGES

The Charges submenu provides an overview of all the charging sessions that have taken place on your charger.

The screenshot shows the SparkShare web interface. On the left is a green sidebar with navigation options: Language (ENG), Home, SparkShare box, Account turnover, Issued invoices, Report a problem, Partner, Profile, Downloads, and Logout. The main content area is titled 'SparkShare Devices' and shows a dropdown for 'Select device:' with the value '048C8471'. Below this are several tabs: Data, HeartBit, Current Charging, DNS Actions, Charges (selected), EVSE, Int. measurements, Coupons, and Map. There is an 'Excel' button and a 'On day' filter. A 'Top 10' dropdown and a 'Live Update' checkbox are also present. The main table displays charging sessions with the following data:

id	RegID	Session	Person	RFID	Req sTime	#
794	183	S3A4A4D7-36BE-43E9-908B-F2A9AC07FB2E	Lea Grbavica		03/02/2025 10:22:3	
793	183	ED44C007-9552-4DD0-93F3-48E9318A3AB5	Lea Grbavica		03/02/2025 10:18:3	
712	183	6BCCBC3A-F722-4021-B804-318D2D39E18A	Karlo Kosina		16/01/2025 12:41:2	
711	183	BE5CCE0C-1FEF-4BD7-8611-6E5FEB1B060C	Karlo Kosina		16/01/2025 12:39:1	

Each charging session has its unique Session ID, and in the Person field, you can see which user used the charger.

The Req sTime field shows the time when the request was sent from the device to the server, sTime indicates when the action started, and fTime shows when the request was completed. While the EV is charging at the charger and the Live Update button is enabled, the time in the last field continuously updates.

## EVSE

The EVSE option in the SparkShare system allows users to view the BoxEV for electric vehicle charging (EVSE - Electric Vehicle Supply Equipment). This section provides detailed information about charging requests, the status of the BoxEV, and key electrical parameters. Data Overview

The following data is available in the tabular view:

- ID – unique identifier of the record.
- Request time (Req. time) – the time when the charging request was recorded.
- RegID – the identification number of the BoxEV.
- Status – the current status of the BoxEV (e.g., "no car" if the vehicle is not connected).
- ADC min, ADC max, ADC avg – the minimum, maximum, and average values of ADC (Analog-to-Digital Converter) signals, which help monitor voltage and current during charging.
- ADC points – the number of collected ADC data points for analysis.
- Session – the identifier for the charging session.

### Key Features

- Live Update – enables real-time status monitoring.
- Data Export – the Excel option allows for downloading data for further analysis.
- Filtering and Sorting – users can filter data based on various parameters for easier viewing.

This option allows for monitoring the operation of the BoxEV, identifying issues, and analyzing performance, thereby optimizing the operation of electric vehicle charging infrastructure.

**SPARKSHARE**

Language: **ENG**

- Home
- SparkShare box
- Account turnover
- Issued invoices
- Report a problem
- Partner
- Profile
- Downloads
- Logout

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## SparkShare Devices

Select device: 048C6471 -

Data | Heartbit | Current Charging | DNS Actions | Charges | **EVSE** | Int. measurements | Coupons | Map

**Excel** On day:

Top 10  Live Update

id	Req. time	RegID	Status	ADC min	ADC max	ADC avg	ADC points	Session	#
181515	05/11/2024 14:54:32	183	0 - No Car	3332	3362	3346	184		
181508	05/11/2024 14:48:32	183	0 - No Car	3337	3366	3353	118		
181501	05/11/2024 14:42:31	183	0 - No Car	3331	3365	3350	129		
181494	05/11/2024 14:38:31	183	0 - No Car	3337	3362	3349	113		
181487	05/11/2024 14:30:32	183	0 - No Car	3342	3362	3353	117		
181480	05/11/2024 14:24:32	183	0 - No Car	3342	3362	3350	129		
181473	05/11/2024 14:18:31	183	0 - No Car	3334	3361	3350	106		
181466	05/11/2024 14:12:31	183	0 - No Car	3355	3366	3358	124		
181459	05/11/2024 14:06:31	183	0 - No Car	3342	3367	3352	106		
181452	05/11/2024 14:00:32	183	0 - No Car	3337	3361	3351	111		

## INT.MEASUREMENTS

The Internal Measurements option in the SparkShare system allows users to view key electrical parameters of the device in real-time. This functionality is particularly useful for monitoring the performance and stability of the device's operation. Data Overview

Within this section, the following values are displayed:

- Time – the exact date and time of the measurement.
- Voltage – voltage values for three phases (U1, U2, U3).
- Current – current values for three phases (I1, I2, I3).
- Total Energy – energy consumed in the units used by the system.
- Temperature – the current device temperature.
- Frequency – the frequency of the electrical network.
- EVSE – the identification number of the charging station.
- Device Memory (Memory heap) – the status of the device's working memory.
- WiFi – information about the device's network connection, including network name (SSID) and signal strength (RSSI).

### Key Features

- Live Update – enables real-time data display.
- Data Export – the Excel option allows for downloading data in Excel format for further analysis.
- Filtering and Sorting – it is possible to filter data based on various criteria.

This option provides detailed insight into the operational status of the device, enabling the timely detection of issues and optimization of system performance.

Language: **ENG**[Home](#)[SparkShare box](#)[Account turnover](#)[Issued invoices](#)[Report a problem](#)[Partner](#)[Profile](#)[Downloads](#)[Logout](#)

## SparkShare Devices

Select device: 04806471

[Data](#) [HeartBit](#) [Current Charging](#) [DNS Actions](#) [Charges](#) [EVSE](#) [Int. measurements](#) [Coupons](#) [Map](#)[Excel](#)On day: 

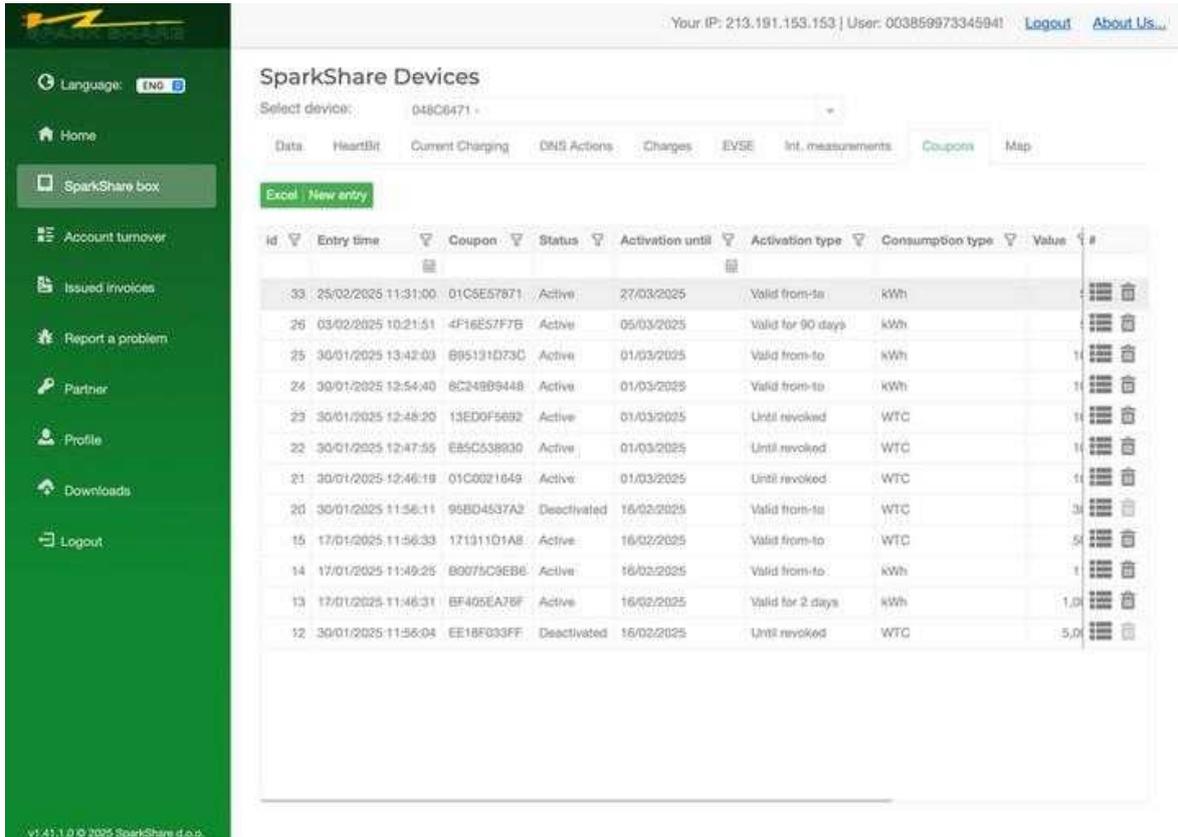
Top 10

 Live update

id	Vrijeme	Voltage			Current			Total E.	Temp.	Freq.	EVSE	Mem Current
		U1	U2	U3	I1	I2	I3					
7105845	20/01/2025 11:52:53	242.34	0.14	0.06	0.03	0.01	0.01	4	26.00	50.00	3342	907
7105835	20/01/2025 11:52:42	242.10	0.14	0.06	0.03	0.01	0.01	4	26.00	50.00	3344	907
7105825	20/01/2025 11:52:32	242.38	0.14	0.06	0.03	0.01	0.01	4	26.00	50.00	3344	907
7105816	20/01/2025 11:52:22	242.41	0.14	0.06	0.03	0.01	0.01	4	25.00	50.00	3342	907
7105805	20/01/2025 11:52:12	242.55	0.14	0.06	0.03	0.01	0.01	4	25.00	50.00	3342	907
7105795	20/01/2025 11:52:02	242.66	0.14	0.06	0.03	0.01	0.01	4	25.00	50.00	3343	907
7105785	20/01/2025 11:51:52	242.96	0.14	0.06	0.03	0.01	0.01	3	25.00	50.00	3342	907
7105775	20/01/2025 11:51:42	242.53	0.14	0.06	0.03	0.01	0.01	3	25.00	50.00	3344	907
7105765	20/01/2025 11:51:32	242.62	0.14	0.06	0.03	0.01	0.01	3	25.00	50.00	3343	907
7105755	20/01/2025 11:51:21	242.29	0.14	0.06	0.03	0.01	0.01	3	25.00	49.00	3341	907

# COUPONS

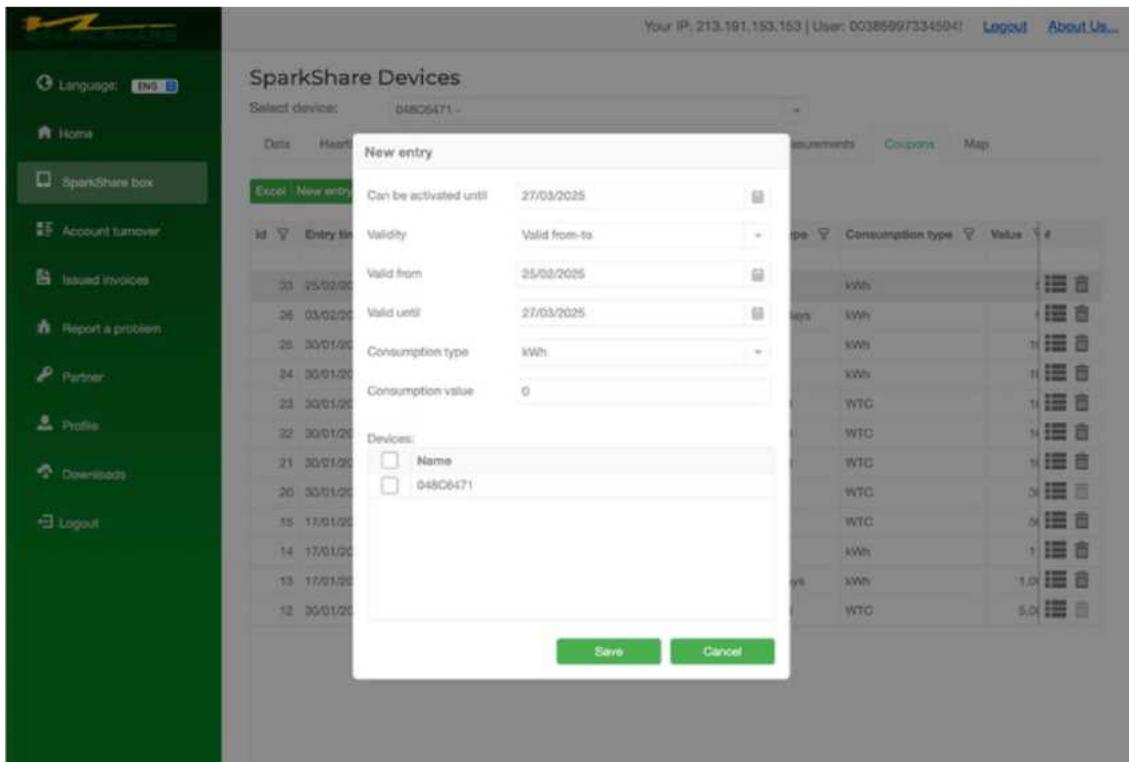
If you want to provide someone with free charging or charging at a discounted price, you can do so through a coupon.



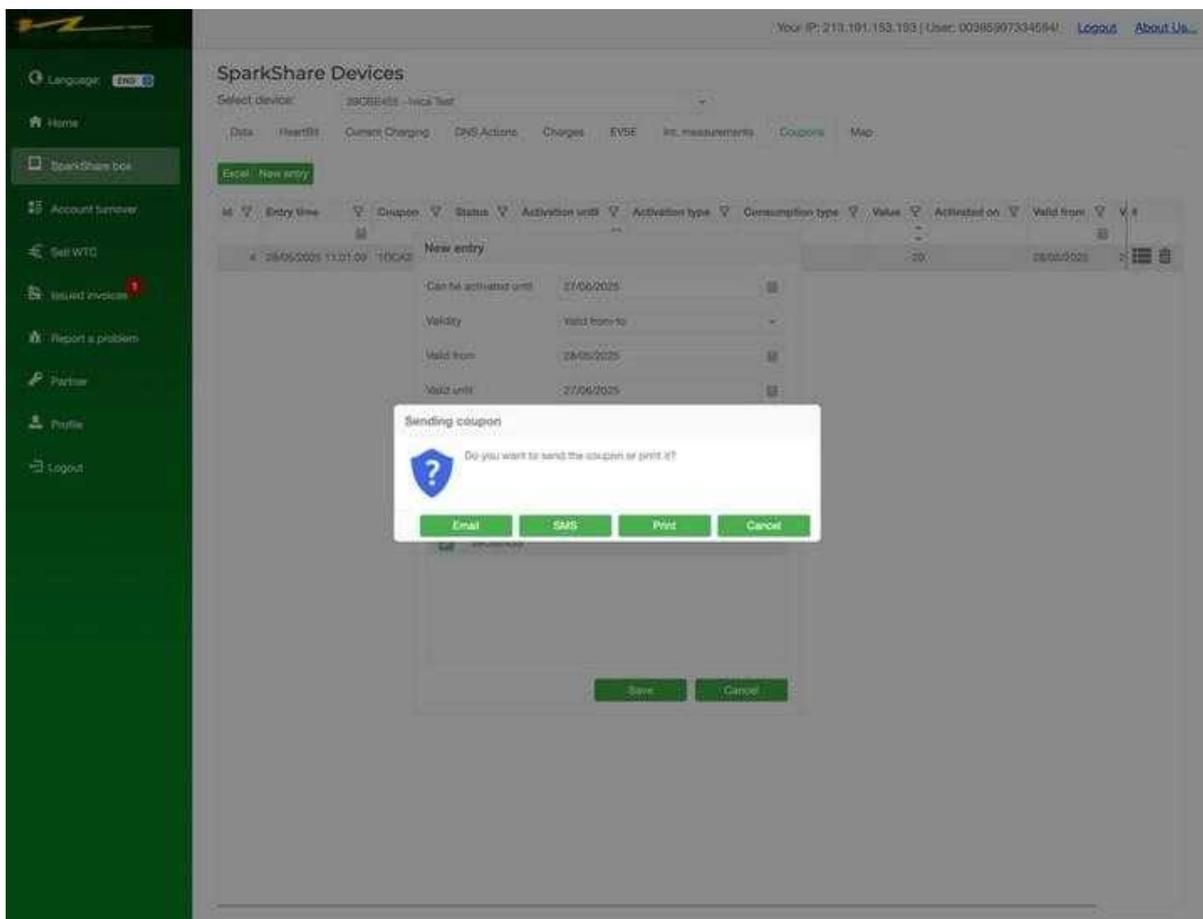
The screenshot shows the SparkShare Devices management interface. On the left is a green sidebar with navigation options: Language (ENG), Home, SparkShare box, Account turnover, Issued invoices, Report a problem, Partner, Profile, Downloads, and Logout. The main content area is titled "SparkShare Devices" and includes a "Select device:" dropdown set to "048C6471". Below this are tabs for Data, HeartBit, Current Charging, DNS Actions, Charges, EVSE, Int. measurements, Coupons, and Map. A "New entry" button is visible. The main part of the interface is a table listing issued coupons with columns for Id, Entry time, Coupon, Status, Activation until, Activation type, Consumption type, Value, and #.

Id	Entry time	Coupon	Status	Activation until	Activation type	Consumption type	Value	#
33	25/02/2025 11:31:00	01C6E57871	Active	27/03/2025	Valid from-to	kWh		
26	03/02/2025 10:21:51	4F16E57F7B	Active	05/03/2025	Valid for 90 days	kWh		
25	30/01/2025 13:42:00	895121D73D	Active	01/03/2025	Valid from-to	kWh		1
24	30/01/2025 13:54:40	6C248B9448	Active	01/03/2025	Valid from-to	kWh		1
23	30/01/2025 12:48:20	13ED0F56B2	Active	01/03/2025	Until revoked	WTC		1
22	30/01/2025 12:47:55	E85C53893D	Active	01/03/2025	Until revoked	WTC		1
21	30/01/2025 12:46:19	01C6021649	Active	01/03/2025	Until revoked	WTC		1
20	30/01/2025 11:56:11	958D4537A2	Deactivated	16/02/2025	Valid from-to	WTC		3
15	17/01/2025 11:56:33	171311D1A8	Active	16/02/2025	Valid from-to	WTC		5
14	17/01/2025 11:49:25	B0075C9E8E	Active	16/02/2025	Valid from-to	kWh		1
13	17/01/2025 11:46:31	BF405EA78F	Active	16/02/2025	Valid for 2 days	kWh		1,0
12	30/01/2025 11:56:04	EE1BF033FF	Deactivated	16/02/2025	Until revoked	WTC		5,0

By selecting the "New Entry" button, a window will open where you can choose the period and value for which you want to issue the coupon, as well as the device for which it is issued.



After entering the required information and selecting “Save,” the coupon can be sent via email or SMS, as well as printed.

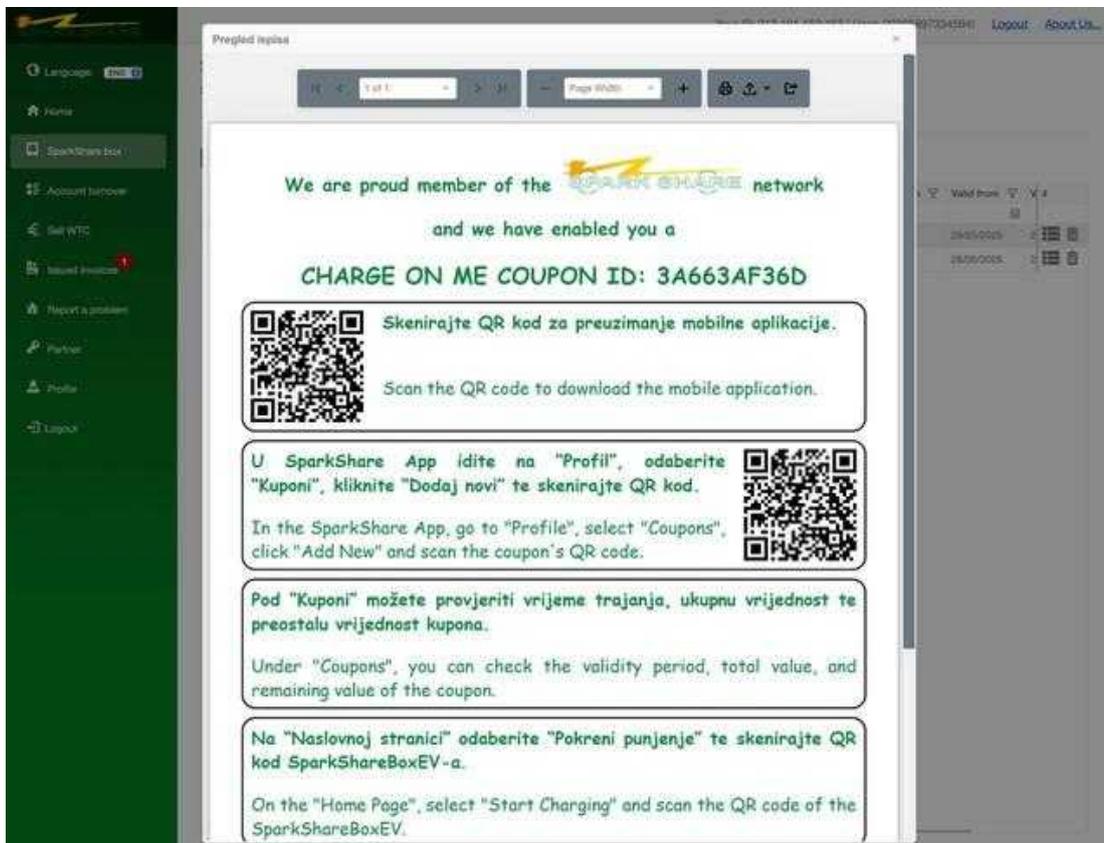




The person you are sending the coupon to must have the SparkShare mobile app. They will receive a notification about the coupon via email/SMS, depending on your selection, and the coupon will be visible and active in the mobile app under the "Coupons" option.



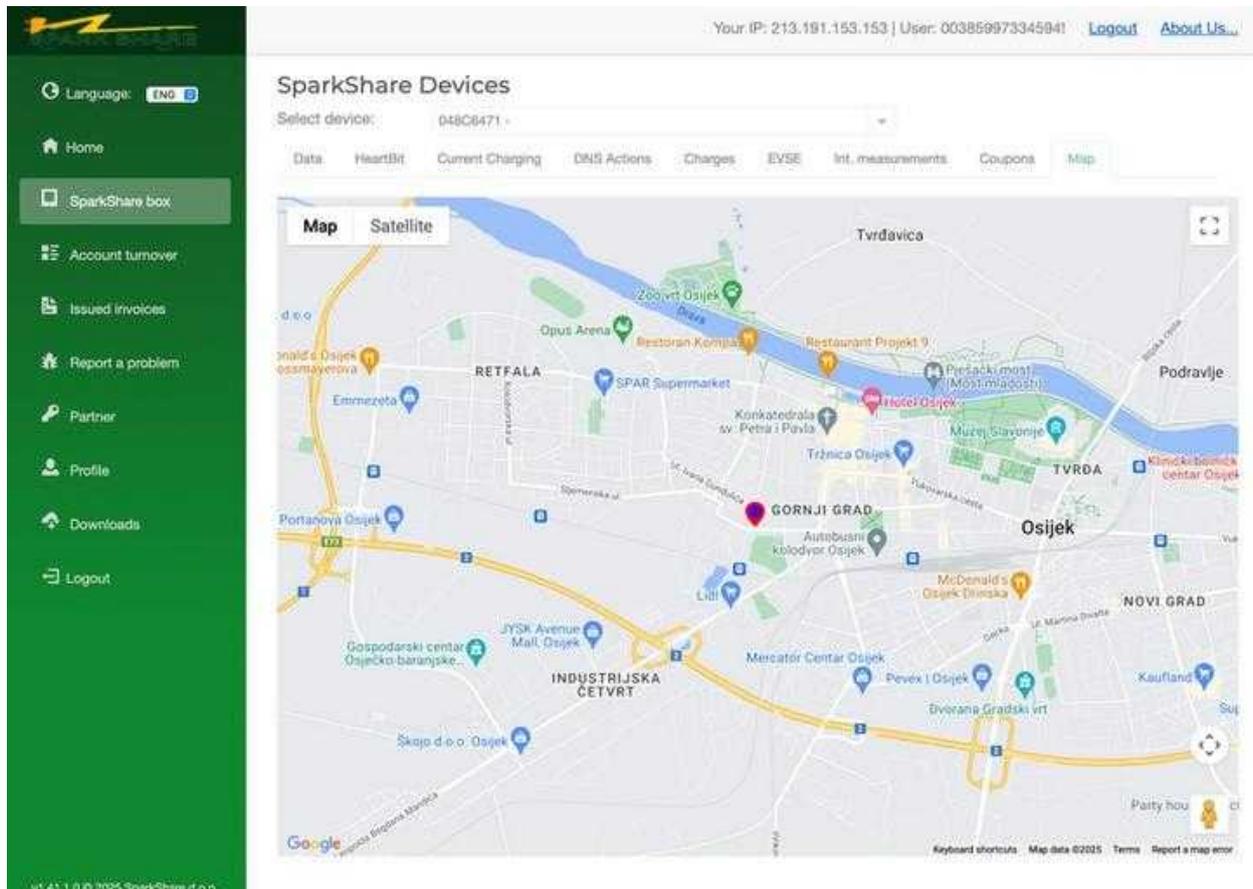
If you choose to print the coupon, it will be printed on a template that includes step-by-step instructions for activating and using the coupon.



# MAP

The map displays all your activated devices that have a visible location.

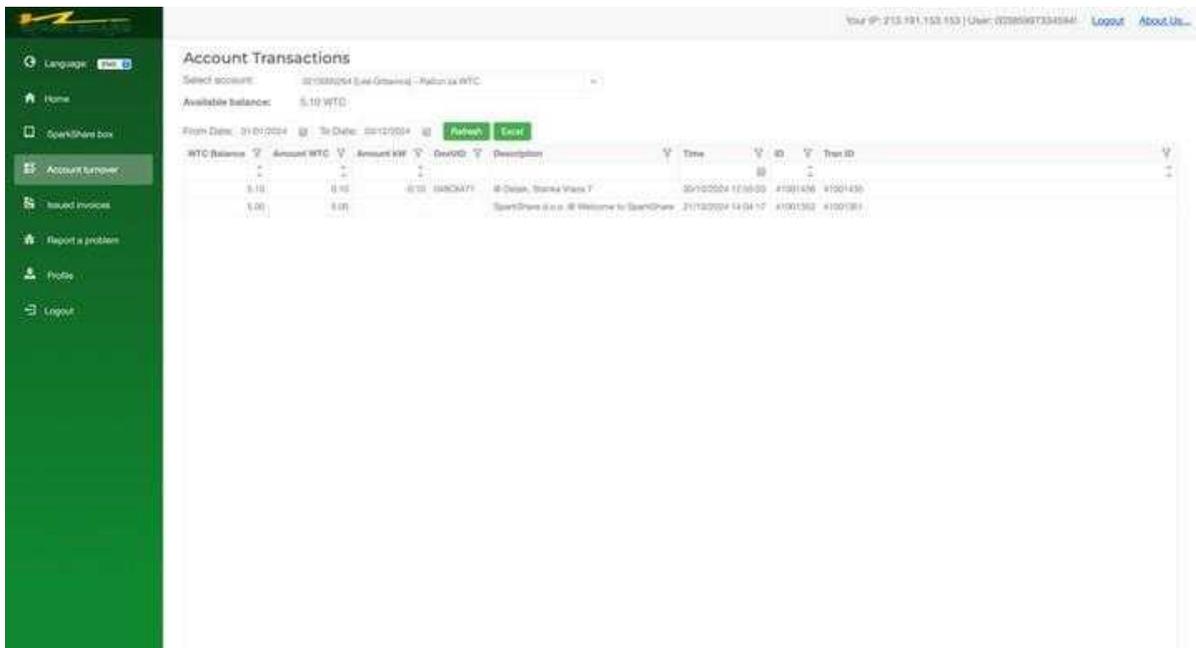
The "Map" and "Satellite" views are available.



# ACCOUNT TRANSACTIONS

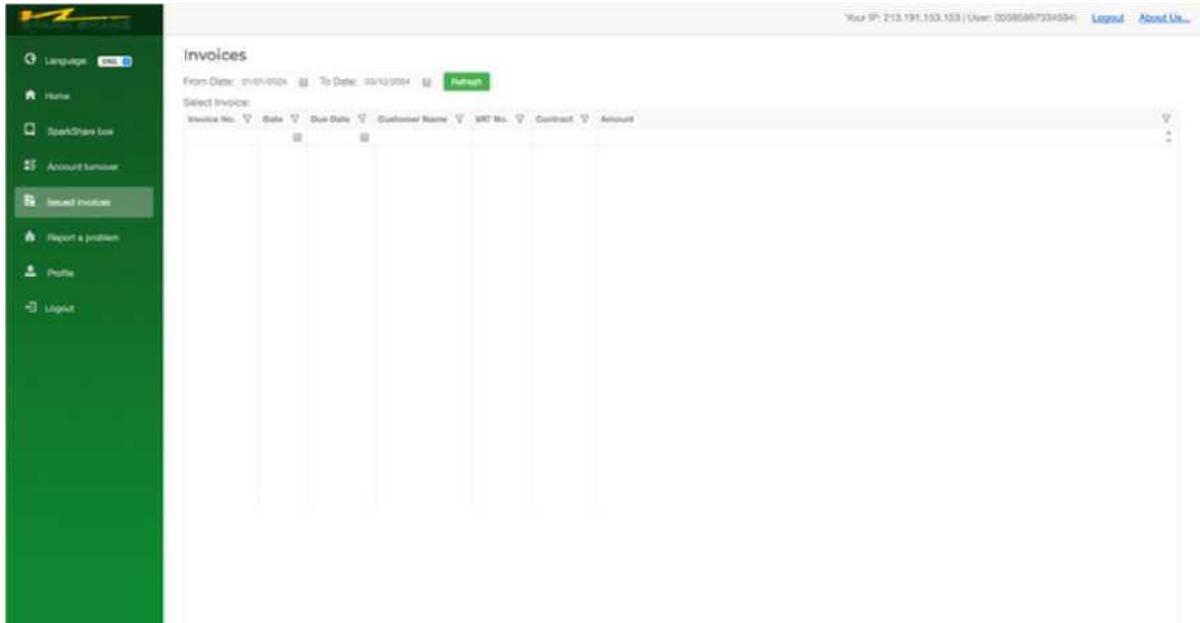
In the account transactions menu, you can review, export to XML, Excel, and print the transactions of your account in WTCs. If you have multiple accounts for which you are authorized, you can select the desired account for review from the dropdown menu. The available balance shows the current balance of your account. You can select the transaction review period by clicking on the dates in the From Date and To Date fields.

If you wish to export data, the app offers export options in Excel format.



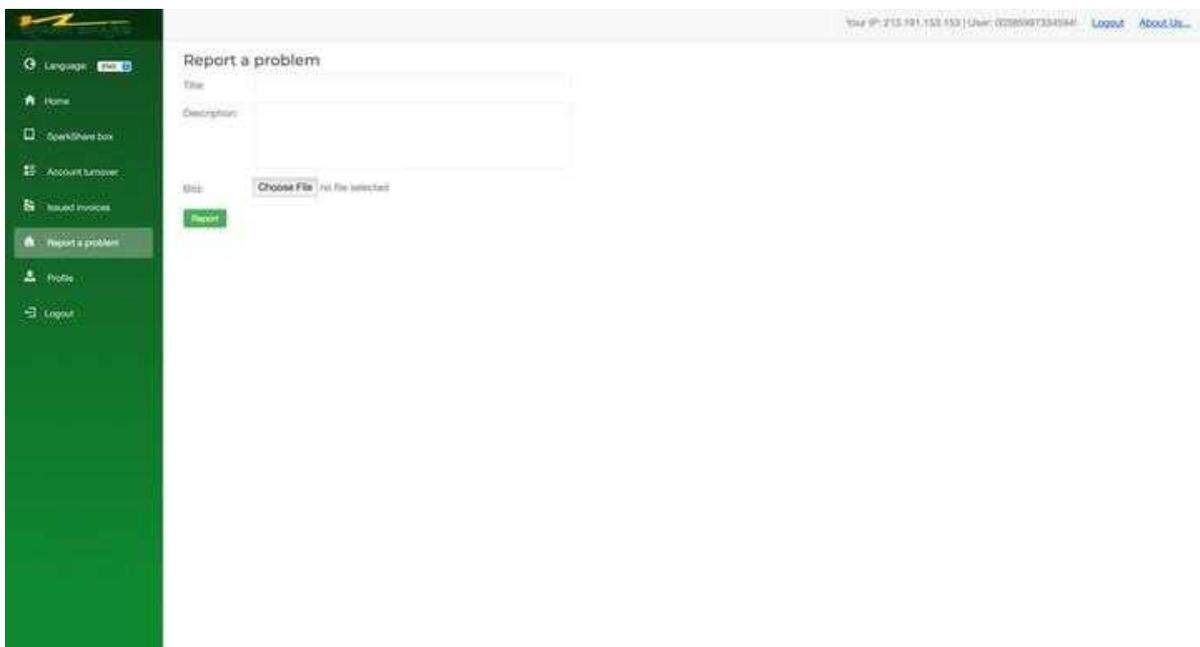
# ISSUED INVOICES

In the Issued Invoices menu, you can review all invoices that have been issued related to your account. This view provides you with a detailed insight into all transactions and charges associated with your user account, including the issuance date, amount, and other relevant invoice details.



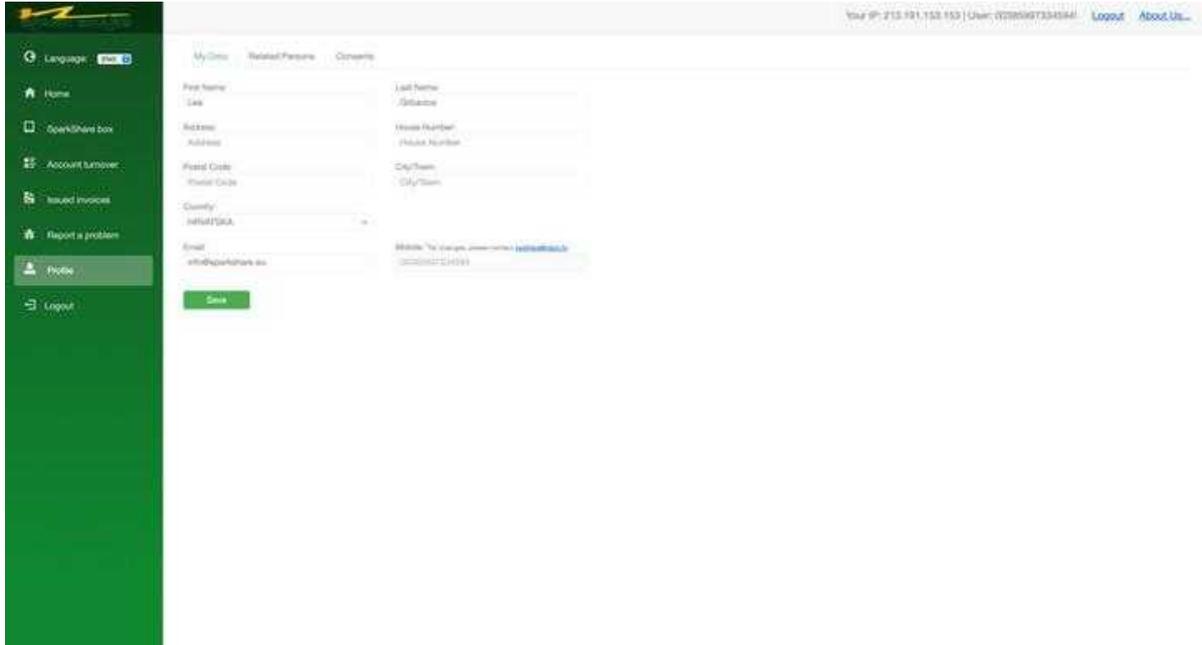
# REPORT A PROBLEM

In this menu, you can report a problem with your device. Our team of experts will receive your report and process it as quickly as possible, and you can expect a response via email. Please summarize the problem in the subject line of the report, while providing detailed information about the situation in the description. To ensure a more accurate resolution of the issue, you also have the option to upload a screenshot of the problem or a photo of the device within the app. Detailed diagnostics available through the SS Portal allow for the use of specific data when reporting.



# PROFILE

In the Profile menu, users can view and edit their personal information. Additionally, a list of individuals associated with your user account is available. If you wish to change your mobile number, you need to contact our support team via email at [info@sparkshare.eu](mailto:info@sparkshare.eu)



## **SYSTEM USAGE AND SECURITY MEASURED**

Sparkshare Ltd. will disable any unauthorized use of the application by blocking the user's IP address. The company reserves the right to deny access to the application to users for whom there is reasonable suspicion of unauthorized use. All activities within the application are logged in an action log, which allows for tracking every action in the system. To prevent unauthorized use, Sparkshare Ltd. reserves the right to verify all recorded actions within the application at any time.

## **PROTECTION OF PERSONAL DATA**

The collected personal data will be used in accordance with the Personal Data Protection Policy of Sparkshare Ltd.