SPARK SHARE

KORISNIČKI PRIRUČNIK ZA
SPARKSHAREBOXEV

v. 2

PRIRUČNIK ZA INSTALACIJU

BOXEV

SADRŽAJ

UPOZORENJA I SIGURNOSNE NAPOMENE

OPĆA SIGURNOSNA UPOZORENJA ZA BOXEV

Pročitajte sve upute prije upotrebe: Pobrinite se da u potpunosti razumijete sve upute za instalaciju i uporabu BOXEV-a prije nego što ga instalirate i počnete koristiti.

Zaštite napojnog kruga: Napojni krug BOXEV-a mora biti adekvatno uzemljen. Napojni krug BOXEV-a 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 BOXEV-a (preporučena B karakteristika).

Uzeti u obzir uzemljenje: BOXEV mora biti uzemljen putem trajnog sustava za uzemljenje ili uzemljivačkog vodiča. Napojni krug BOXEV-a mora biti zaštićen odgovarajućim RCCB-om (Prekidač sa zaštitom od preostalog strujnog kruga) i osiguračem/MCB-om (Miniature Circuit Breaker). RCCB mora biti tipa B i imati nazivnu struju od 30 mA.

Opasna mjesta: Nemojte instalirati ili koristiti BOXEV u blizini zapaljivih, eksplozivnih ili agresivnih materijala, kemikalija ili para.

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

Parametri rada: BOXEV koristite isključivo unutar specificiranih parametara radnog napona, struje i okolišnih uvjeta.

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

Prestanite koristiti ako je oštećen: Prestanite koristiti BOXEV ako pokazuje bilo kakve znakove oštećenja, poput pukotina, trošenja ili neispravnosti.

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

Postupajte s oprezom: Prilikom transporta BOXEV-a, izbjegavajte izlaganje snažnim udarcima, silama ili naprezanjima (kao što su uvijanje, povlačenje ili gaženje kabela) kako biste spriječili oštećenje.

Strani predmeti: Nemojte umetati strane predmete u bilo koji dio BOXEV-a.

Interferencija s medicinskim uređajima: Rad BOXEV-a može ometati funkcionalnost medicinskih ili implantiranih elektroničkih uređaja poput pacemakera. Prije korištenja punjača BOXEV, konzultirajte se s proizvođačem vašeg medicinskog uređaja kako biste osigurali sigurnu upotrebu.

Neispravna instalacija: Neispravna instalacija i testiranje BOXEV-a mogu potencijalno oštetiti bateriju vozila ili sam punjač.

Izbjegavajte ekstremne temperature: BOXEV se ne smije koristiti izvan temperaturnog raspona od -30°C do +50°C.

Izbjegavajte izravnu sunčevu svjetlost i ekstremne vremenske uvjete: Izbjegavajte izlaganje BOXEV-a 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 BOXEV-a. Povremeno obrišite vanjski dio BOXEV-a, kabel za punjenje i ručku punjača čistom, suhom krpom kako biste uklonili nakupljenu prljavštinu i prašinu.

!

1. **Upozorenje**: Koristite samo napon 230/400 V, 50Hz kao izvor napajanja BOXEV-a.
2. **Upozorenje**: Neispravna instalacija i uporaba BOXEV-a može potencijalno oštetiti bateriju vozila i/ili sam BOXEV. Bilo koja šteta koja nastane možda neće biti pokrivena garancijom.
3. **Upozorenje:** Nemojte koristiti BOXEV izvan temperaturnog raspona od -30°C do +50°C.
4. **Upozorenje**: Osigurajte odgovarajuću ventilaciju i držite BOXEV slobodnim od prepreka ili vanjskih faktora koji mogu uzrokovati pregrijavanje ili smanjene performanse.

VAŽNE SIGURNOSNE NAPOMENE PRIJE NASTAVKA

Budite oprezni tijekom instalacije kako biste izbjegli oštećenje bilo kojih sklopova ili komponenti unutar BOXEV-a.

Pobrinite se da je dolazno napajanje sigurno isključeno prije spajanja BOXEV-a.

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 BOXEV-a.

Strogo je zabranjeno maloljetnicima ili osobama s ograničenim sposobnostima prići BOXEV-u kako bi se spriječile moguće ozljede.

Strogo je zabranjeno koristiti BOXEV ako su kabeli za punjenje oštećeni, puknuti, istrošeni, slomljeni ili ako su 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.

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 Elektronička shema ožičenja.

Preporučuje se da se rutinski sigurnosni pregledi punjača BOXEV provode barem jednom tjedno.

Maksimalna snaga BOXEV-a je 22 kW ili 32A pri 400V AC trofaznoj struji.

OPIS	SPECIFIKACIJA
Napon	230/400 V
Struja	32 A (po fazi)
Frekvencija	50 Hz
Duljina kabla	6 m
Dimenzije	38x38x14
Težina	5 kg
Radna temperatura	-25 -50 C
Temperatura skladištenja	-40 -75 C
Odobrenja agencija	CE

SAMOPROVJERA I OPORAVAK

Ručno testiranje i resetiranje nije potrebno.
Ako dođe do kvara preostale struje, vanjska FID sklopka ili osigurač otklanjaju kvar. Kada je kvar otklonjen i napajanje ponovno uspostavljeno, BOXEV će se uključiti i ponovno pokrenuti. Ako je do prekida napajanja doško tokom punjenja, BOXEV će ponovno pokrenuti punjenje.

PODJELA OPTEREĆENJA

BOXEV omogućuje povezivanje više punjača na jedan krug, pružajući vlasnicima vozila sigurnost da mogu puniti više vozila istovremeno bez preopterećenja kruga. Više BOXEV punjača komunicira međusobno kako bi podijelili opterećenje između vozila, osiguravajući da opterećenje nikada ne prelazi dopušteni napon kruga.

MINIMALNI ZAHTJEVI

Instalacija BOXEV-a zahtijeva da:

1. Izračunate postojeće električno opterećenje kako biste odredili maksimalnu radnu struju izvoda kojim želite napajati BOXEV.
2. Osigurate minimalni pad napona postavljanjem BOXEV-a što bliže razvodnoj kutiji.
3. Prikupite sve potrebne dozvole od nadležnih lokalnih vlasti i potvrdite da je inspekcija nakon završene instalacije zakazana 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 do 32A.
6. Koristite zaštitne uređaje. Uređaj za zaštitu izvoda mora biti odabran 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 BOXEV-a (eg. 32A, 16A, etv)
** FID sklopka - Tip B, nazivna struja ista kao i osigurač izvoda, 30mA

L1 L2 L3 N PE
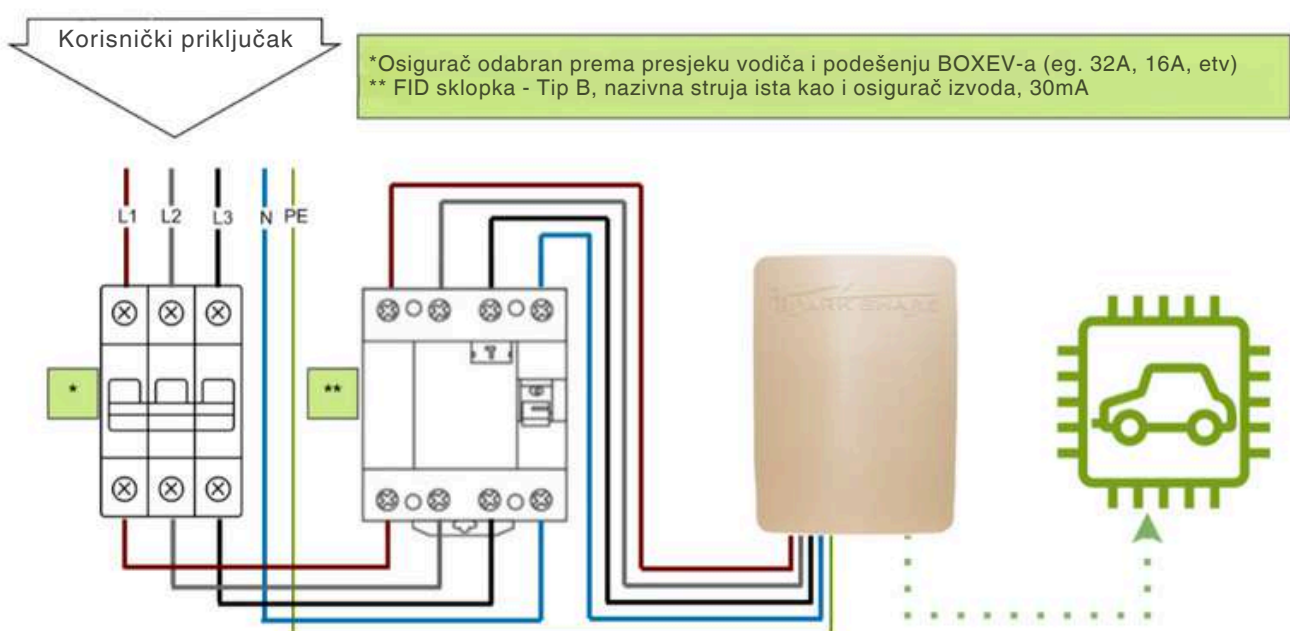
POTREBNI ALATI

Za instalaciju BOXEV-a potrebni su sljedeći alati:

Obavezno:

Električna
bušilica
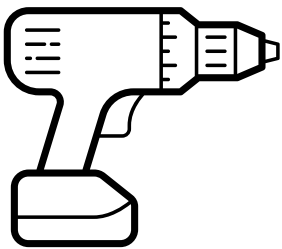
Kliješta za rezanje žice
i skidanje izolacije

Križni odvijač
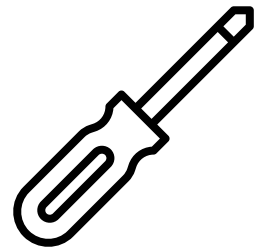
Svrdlo promjera
8 mm
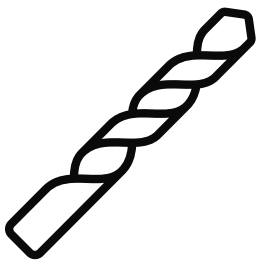
Vijak 3x8 mm
+ plastični tipl
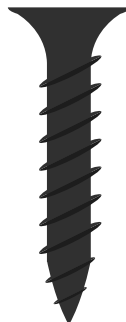
10 centi

Opcionalno

Mjerna traka
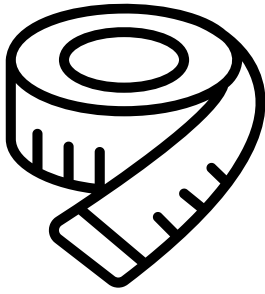
Detektor kabela
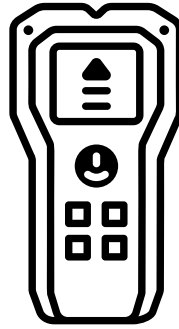
Olovka
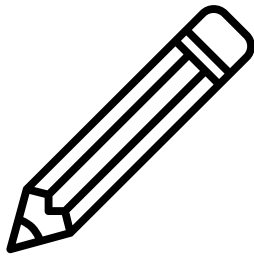
Vodena vaga
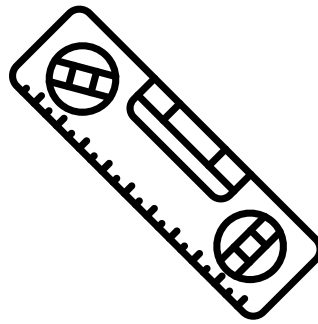
ŠTO SE NALAZI U KUTIJI?

Stavka	Opis	Količina
	Brošura za instalaciju	1
	Kratki vodič	1
	Unutarnja kutija	1
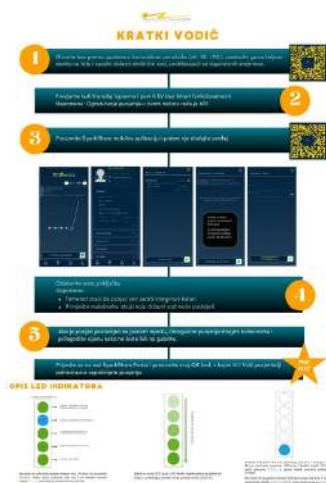
	Ukrasna maska	1
	Kabel Type 2	1
	Plastična zakovica	3

KORACI ZA INSTALACIJU

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

1. Otvorite kutiju (detalji u nastavku) i uzmite brošuru za instalaciju, na kojoj su označene rupe za bušenje i točke za montažu kutije.
2. Za osiguranje pravilnog postavljanja kutije, preporučuje se korištenje vodene vage.
3. Označite točke za bušenje na zidu.
4. Preporučuje se korištenje detektora kabela kako biste provjerili ima li električnih instalacija, vodovodnih cijevi ili drugih prepreka iza zida.
5. Izbušite rupe odgovarajućim svrdlom, preporučena veličina 8 mm.
6. Umetnite plastične tiple u izbušene rupe.
7. Uzmite BOXEV uređaj.
8. Odvrnite dvije plastične zakovice sa stranica uređaja kako biste oslobodili ukrasnu masku.
9. Pažljivo odvojite ukrasnu masku i isključite LED svjetla u sredini poklopca. Iskopčajte kablić za upravljanje LED diodama.
10. Odvrnite plastičnu zakovicu koja osigurava donji poklopac na dnu uređaja.
11. Pažljivo uklonite donji poklopac povlačenjem prema dolje.
12. Postavite kutiju na zid, poravnavajući je s prethodno izbušenim rupama koristeći brošuru za instalaciju.
13. Pričvrstite kutiju na zid vijcima.
14. Provucite napojni kabel kroz rupu na dnu kutije.
15. Spojite žice iz napojnog kabela na odgovarajuće stezaljke: L1, L2, L3, N, PE. (Pogledajte poglavlje Elektrotehnička shema ožičenja)
16. Vratite donji poklopac na mjesto povlačenjem prema gore.
17. Ponovno pričvrstite plastičnu zakovicu kako biste osigurali donji poklopac.

18. Ponovno spojite konektor za LED diode (obratite pozornost na boje žica).

19. Ponovno pričvrstite ukrasnu masku na kutiju.

20. Pričvrstite dvije plastične zakovice sa stranica uređaja kako biste osigurali poklopac.

21. Uključite napajanje uređaja na prethodno isključenom osiguraču.

POSTUPAK OTVARANJA KUTIJE

1.

Umetnite kovanicu od 10 centi u otvor sa strane, a zatim je okrenite u smjeru "zaključano-otključano", kao što je prikazano na fotografiji. Nakon što ste otključali plastičnu zakovicu, pažljivo ju izvucite iz BOXEV-a.

Postupak ponovite s druge strane BOXEV-a.

2.

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

Odvojite ukrasnu masku od donjeg dijela laganim povlačenjem na mjestu označenom na fotografiji (odspajanje konektora LED dioda).

3.
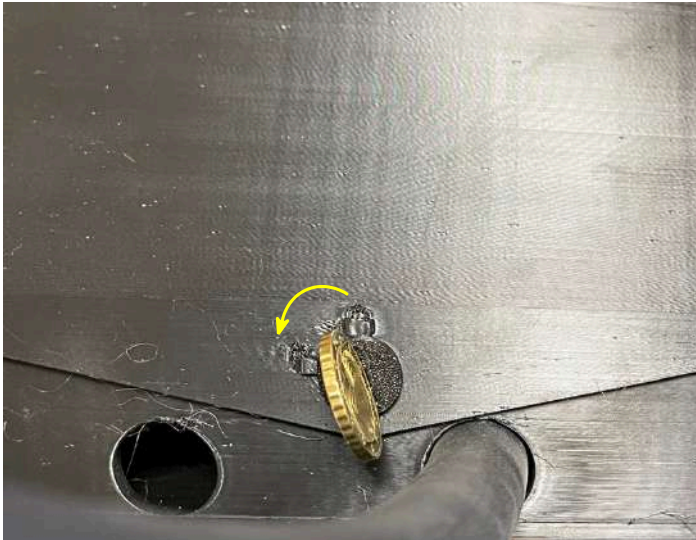
S donje strane unutrašnje kutije BOXEV-a, nalazi se plastična zakovica. Umetnite kovanicu od 10 centi i okrenite je u smjeru prikazanom na fotografiji. Nakon otključavanja, pažljivo izvucite plastičnu zakovicu te otključani dio unutrašnjeg dijela kutije povucite prema sebi.

ELEKTRONIČKA SHEMA OŽIČENJA

L1 L2 L3 N PE

L1 L2 L3 N PE(GND)

Korisnički priključak
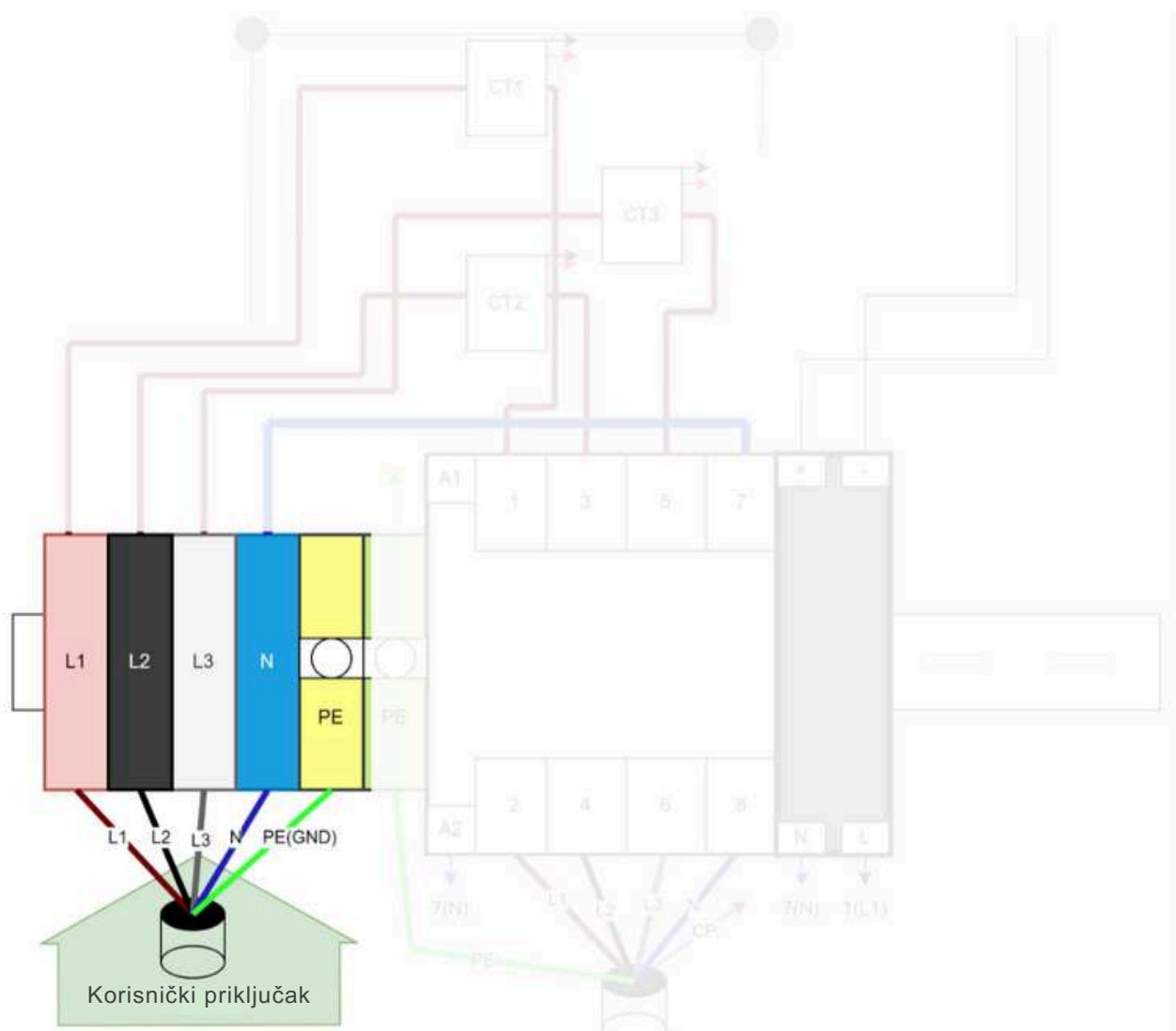
SCENARIJ RADA BOXEV-A

! STRUJA PUNJENJA BOXEV-A OGRANIČENA JE NA 6A DOK SE UREĐAJ NE POVEŽE PUTEM SPARKSHARE APLIKACIJE.

SCENARIJ 1: KORIŠTENJE SVIH POGODNOSTI SPARKSHARE MREŽE

Ako želite koristiti sve funkcionalnosti koje SparkShare mreža omogućuje, uključujući javno dostupan punjač u mobilnoj aplikaciji, nadzor i kontrolu putem mobilne aplikacije i/ili SparkShare portala, dijeljenje električne energije i druge mogućnosti, potrebno je:

1. Instalirati BOXEV i uključiti uređaj.
2. Preuzeti SparkShare mobilnu aplikaciju skeniranjem QR koda koji se nalazi na brošuri za instalaciju.
3. Kreirati račun i povezati se s uređajem putem Bluetooth-a.
4. Postaviti podatke o uređaju prema svojim željama.
5. Preuzeti QR kod svog uređaja na SparkShare Portalu (stranica 64. ovog Korisničkog priručnika).
6. Postaviti QR kod na vidljivo mjesto kako bi osobe koje žele koristiti punjač mogle započeti punjenje skeniranjem QR koda.

Funkcije koje trebaju biti uključene:
"Vidljivo na mapi"
"Cloud"

SCENARIJ 2: PRIVATNI PUNJAČ S NADZOROM I KONTROLOM

Ako želite imati nadzor i kontrolu nad punjačem putem mobilne aplikacije i/ili portala, ali ne želite da bude javno dostupan, potrebno je:

1. Instalirati BOXEV i uključiti uređaj.
2. Preuzeti SparkShare mobilnu aplikaciju skeniranjem QR koda koji se nalazi na brošuri za instalaciju.
3. Kreirati račun i povezati se s uređajem putem Bluetooth-a.
4. Postaviti podatke o uređaju prema svojim željama te u postavkama odabrati opciju "Predautoriziran".

U ovom slučaju nema potrebe za skeniranjem QR koda prilikom pokretanja punjenja. Čim se priključi punjač u vozilo, punjenje započinje automatski. Napomena: Kada koristite ovu opciju, ne dolazi do razmjene WTC tokena

Funkcije koje trebaju biti uključene:
"Cloud"
"Predautoriziran"

SCENARIJ 3: BOXEV BEZ NADZORA I KONTROLE

Ako ne želite imati kontrolu i nadzor nad svojim BOXEV uređajem ili ne možete osigurati stabilnu internetsku vezu, on može raditi bez pametnih funkcionalnosti. U ovom slučaju:

- Punjenje započinje automatski nakon priključenja vozila
- Bez mogućnosti nadzora i kontrole putem mobilne aplikacije i/ili portala.
- Nemate pristup informacijama o potrošnji električne energije ili drugim parametrima punjenja.
- BOXEV u ovom scenariju služi isključivo kao jednostavna "kutija" za punjenje električnog vozila.

Za ovaj način rada potrebno je:

1. Instalirati BOXEV i uključiti uređaj
2. Preuzeti SparkShare mobilnu aplikaciju skeniranjem QR koda koji se nalazi na brošuri za instalaciju.
3. Kreirati račun i povezati se s uređajem putem Bluetooth-a.
4. Postaviti podatke o uređaju prema svojim željama.
5. Ukloniti uređaj s računa (stranice 48.-52. ovog Korisničkog priručnika).

Na taj način će svi prethodno postavljeni parametri ostati spremljeni, ali uređaj će započeti punjenje priključivanjem vozila.
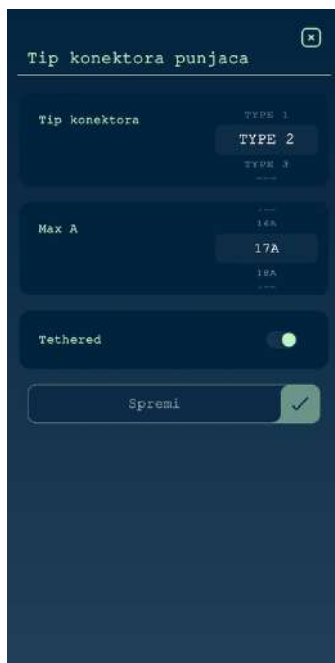
Funkcije koje trebaju biti uključene:
Niti jedna od prethodno spomenutih, potrebno je samo pod "Tip konektora punjača" postaviti max struju.

OPIS LED INDIKACIJA

NORMALNA OPERACIJA

5. → BOXEV POVEZAN S EV-om (PUNJENJE NIJE U TIJEKU)

4. → BOXEV AUTORIZIRAN ZA PUNJENJE

3. → BOXEV USPJEŠNO POVEZANO SA SPARKSHARE CLOUD-om

2. → BOXEV USPJEŠNO POVEZAN S WiFi-em

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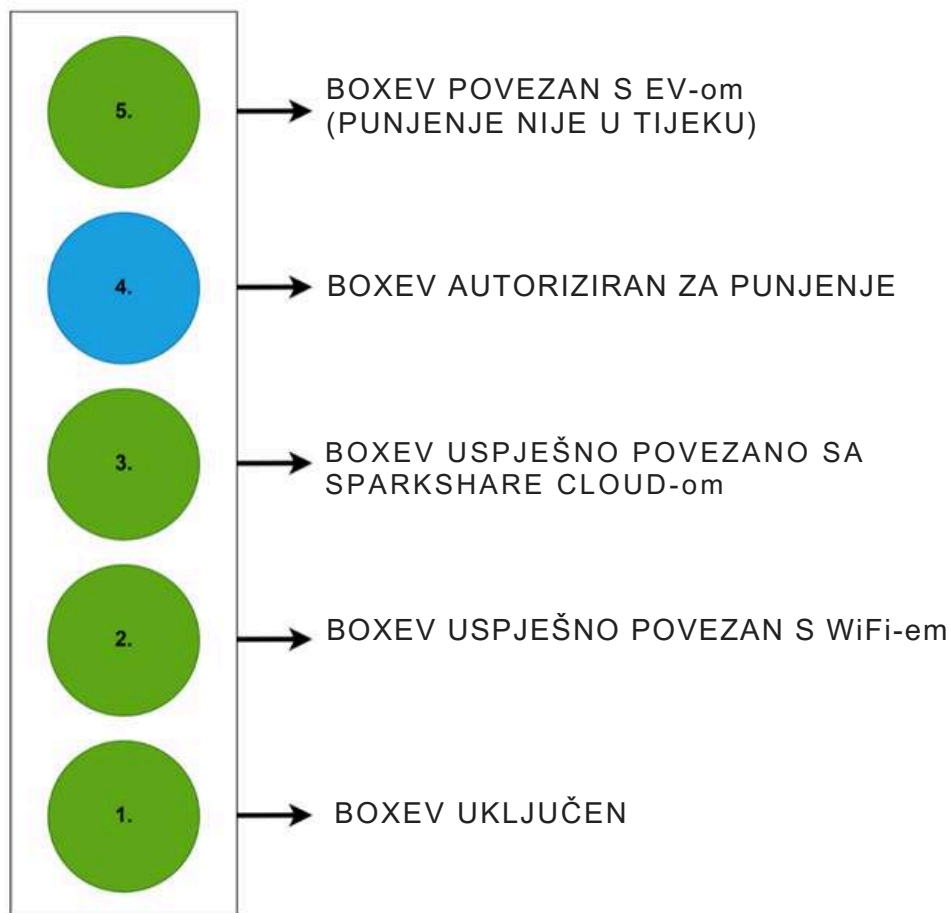
U slučaju softverske pogreške tijekom rada, LED broj 4 će zasvijetliti CRVENO. Nakon slanja podataka, LED broj 4 će nekoliko sekundi treptati ŽUTOM prije nego se uređaj ponovno pokrene (restart).

(PUNJENJE U TIJEKU)

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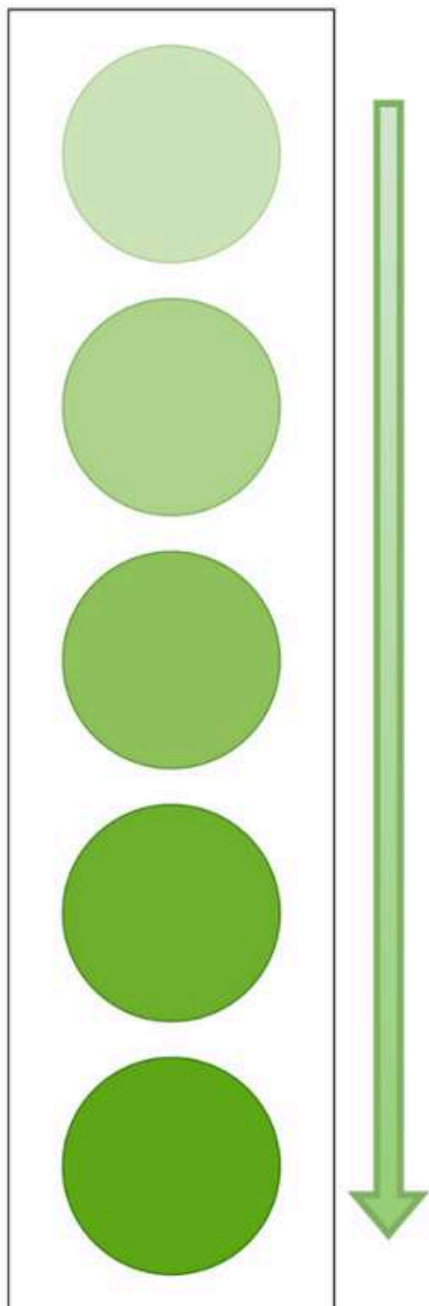
Kada se vozilo (EV) puni, LED diode svijetle jedna po jedna od 5 do 1, simulirajući protok struje prema vozilu (ZELENA).

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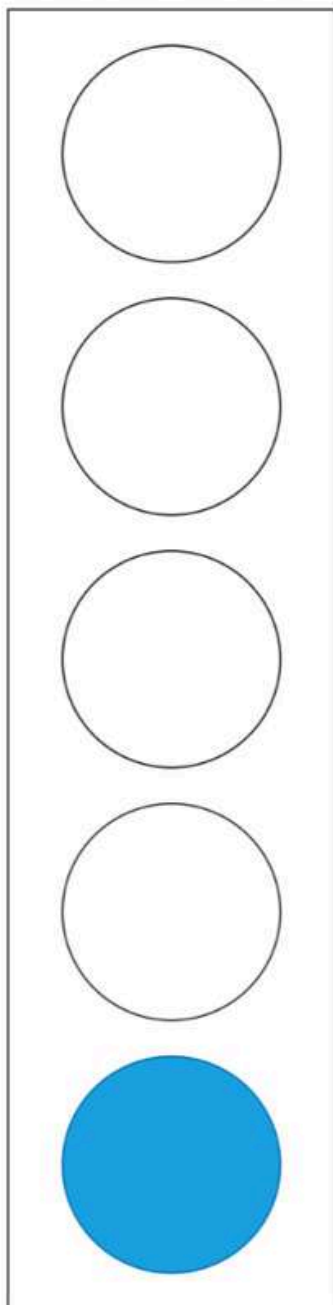
Tijekom OTA (Over-the-Air) ažuriranja, LED broj 1 postaje PLAV. Ako je ažuriranje uspješno, LED broj 1 kratko svijetli ZELENO, zatim ponovno PLAVO, a potom slijedi ponovno pokretanje uređaja (restart).

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.

RJEŠAVANJE PROBLEMA

OPIS KVARA	PREPORUKE ZA POPRAVAK
BOXEV se ugasio	Provjerite krug napajanja. Ako nije došlo do nestanka struje, provjerite osigurač. Ako su u zatvorenom položaju, otvorite BOXEV i provjerite prisutnost napona na ulaznim stezaljkama koristeći voltmetar, multimetar, električarski odvijač, vibru ili drugi odgovarajući alat.
BOXEV je vruć	Temperaturni alarm bit će prikazan u mobilnoj aplikaciji. BOXEV će biti operativan kada njegova temperatura padne na sigurnu razinu.
Previsok napon/ Prenizak napon	Obavijest o previsokom/niskom naponu bit će prikazana u mobilnoj aplikaciji. BOXEV neće omogućiti početak punjenja dok naponska opskrba ne vrati vrijednosti unutar dopuštenog raspona.
Problemi prilikom prve instalacije	Potrebno je putem mobilne aplikacije odspojiti SparkShareBoxEV od mobilne aplikacije te ponovno napraviti proces aktivacije uređaja.

ODRŽAVANJE

Kako bi se osigurala dugoročna stabilna funkcionalnost BOXEV-a, redovito ga održavajte (preporučljivo barem jednom mjesečno) u skladu s uvjetima okoline.

1. Oprema se održava od strane stručnih osoba.
2. Provjerite je li oprema dobro uzemljena i sigurna.
3. Provjerite postoje li potencijalni sigurnosni rizici u okolini BOXEV-a.
4. Provjerite ima li izvora visokih temperatura, korozije ili zapaljivih i eksplozivnih tvari u blizini BOXEV-a.
5. Provjerite imaju li ulazne stezaljke BOXEV-a 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 BOXEV-a, molimo vas da sortirate i reciklirate svoj otpad u skladu s lokalnim smjernicama za reciklažu.

UPUTE ZA

MOBILNU APLIKACIJU

SADRŽAJ

PREUZIMANJE

Preuzmite mobilnu aplikaciju koja je dostupna u Apple App Store

i Google Play Store.

REGISTRACIJA

Nakon preuzimanja aplikacije, potrebno se registirati na sljedeći način:

Activation

Enter your mobile phone number

+385 ⌄

SPARK SHARE

Continue >

Upišite broj mobilnog telefona

Odaberite "Continue"

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

Activation

Enter the verification code sent by SMS

+385 99 733 4594

— — — — — — —

26

SPARK SHARE

Continue >

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.**
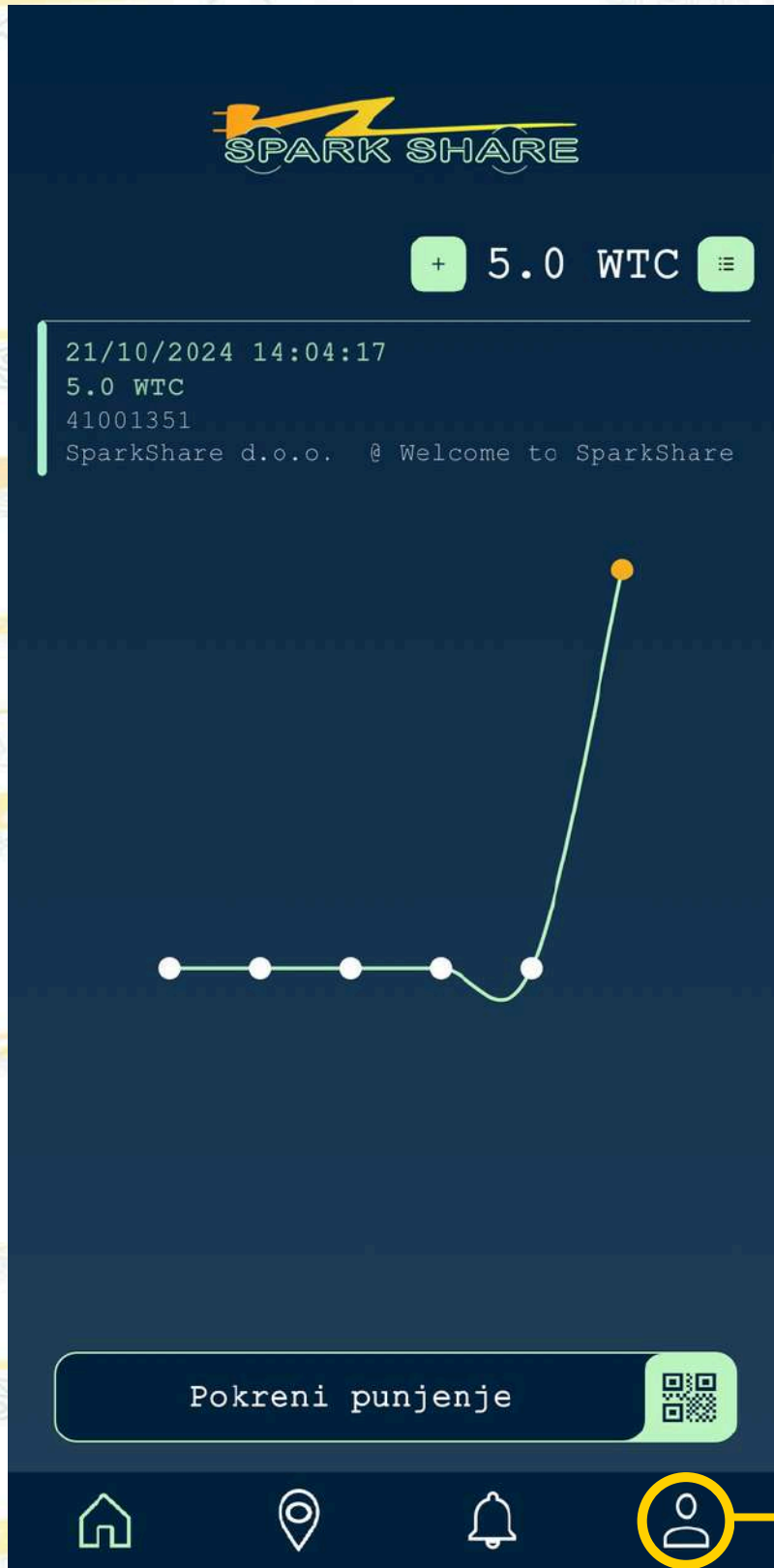
Na "Naslovnoj stranici" odaberite "Profil"

Lea Grbavica

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🚗

Podaci

Osobni podaci

Moji uređaji

Kuponi

Prijava na portal

Kupi novi SparkShare BOX

Jezik   Croatian ▾

Brisanje računa

⌃

Statistika ⌄

Sigurnost ⌄

Podrška ⌄

O nama ⌄

Odaberite
"Moji uređaji"

Moji uređaji

[x]

048C6471
Stanka Vraza 7, 31000 Osijek
Ukupno kW/WTC
Temp. -

Slobodno 🔴

-6.62/0.10

FW ver. 1.6.19

Ukoliko imate
jedan ili više
uređaja, bit će
prikazani ovdje

Dodaj novi +

Ukoliko želite
dodati još
uređaja,
odaberite
"Dodaj novi"

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

Dodavanje uređaja

Za spajanje uređaja provjerite u **postavkama** telefona imate li omogućeno povezivanje Bluetooth-om i Wi-Fi-jem.

Sklenirajte QR kod uređaja ili pretražite dostupne uređaje na Bluetooth-u

Uređaj možete dodati skeniranjem QR kod-a

Pretraži Bluetooth

ili pretraživanjem dostupnih uređaja putem Bluetooth-a
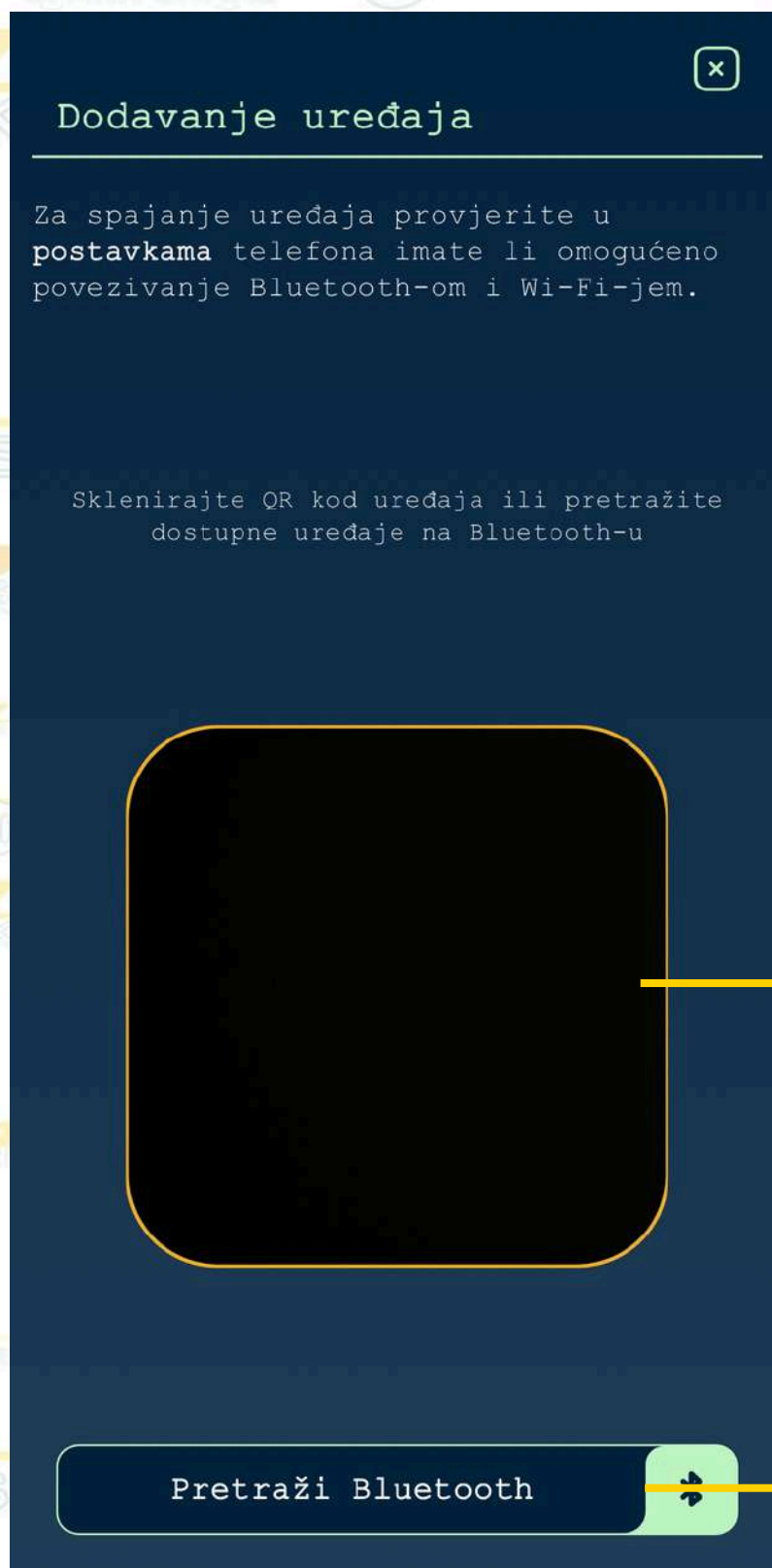
Uređaj se NE SPAJA putem Bluetooth-a mobilnog uređaja, nego isključivo kroz SparkShare mobilnu aplikaciju.

Ukoliko odaberete "Pretraži Bluetooth" otvorit će se prikazani prozor.
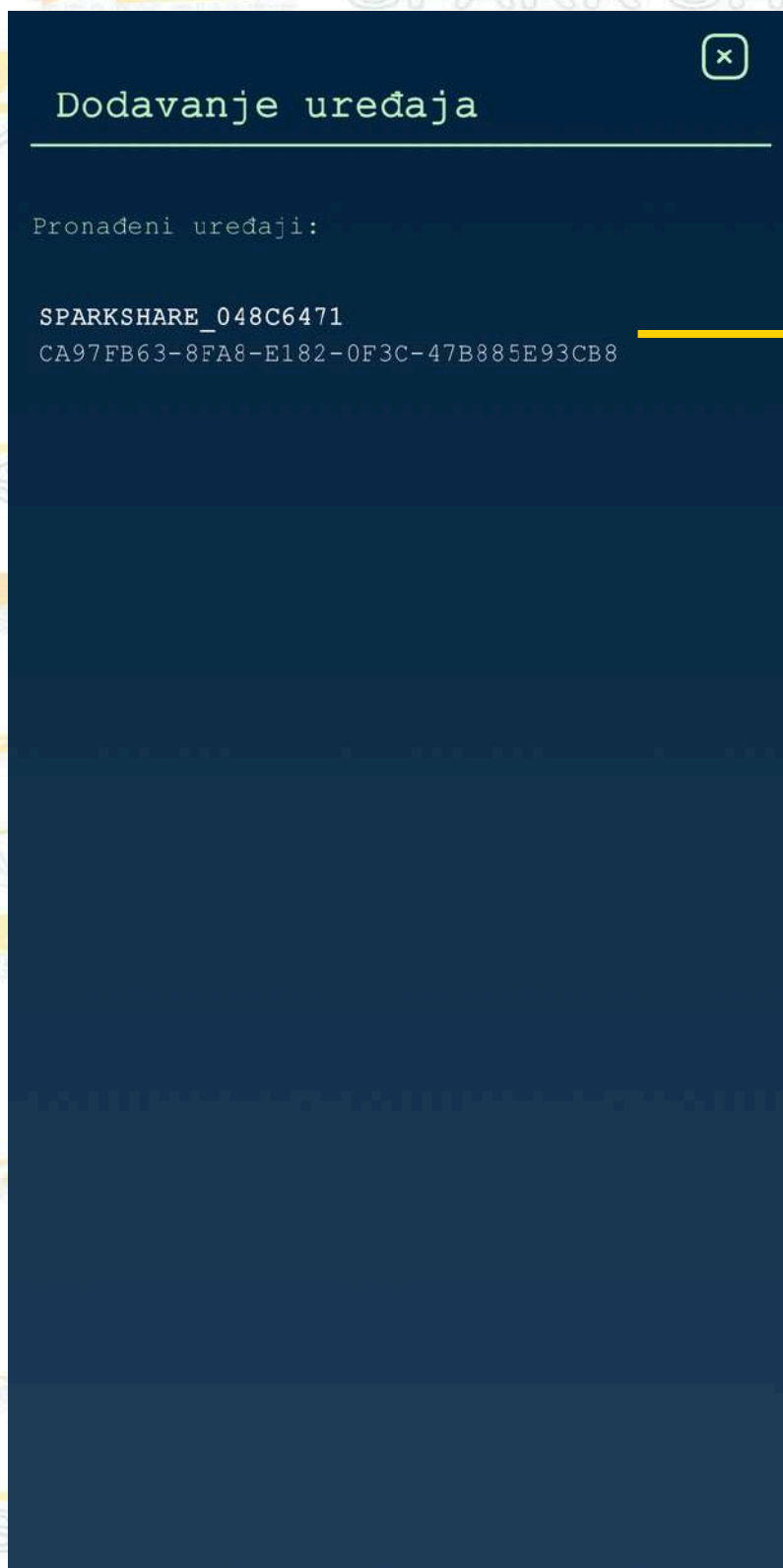
Odaberite uređaj koji želite dodati svom korisničkom računu

[×]

Dodavanje uređaja

Pronađeni uređaji:

SPARKSHARE_048C6471
CA97FB63-8FA8-E182-0F3C-47B885E93CB8

Prilikom aktivacije SparkShareBOXEV-a kroz mobilnu aplikaciju, BOX 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 povezivati.

Postavi WiFI

Wi-Fi SSID

Wi-Fi lozinka

Postavi

Nakon unosa WiFi podataka, mobilna aplikacija i uređaj bit će povezani. Tada ćete moći unijeti podatke vezane za Vaš SparkShareBOXEV.

Podaci o uređaju

[x]

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

Aktivan

Postavi WiFI

Lokacija

Tip konektora punjaca

Opis

Naplata osobno

Radno vrijeme/Cijena

Dodatne usluge

Kontakt podaci

Dodaj slike

Spremi konfiguraciju

PRETVORBA EUR-WTC

Unutar SparkShare zajednice, sredstvo plaćanja za razmjenu energije su WTC tokeni. Uplata WTC tokena na Vaš SparkShare račun odvija se na sljedeći način:
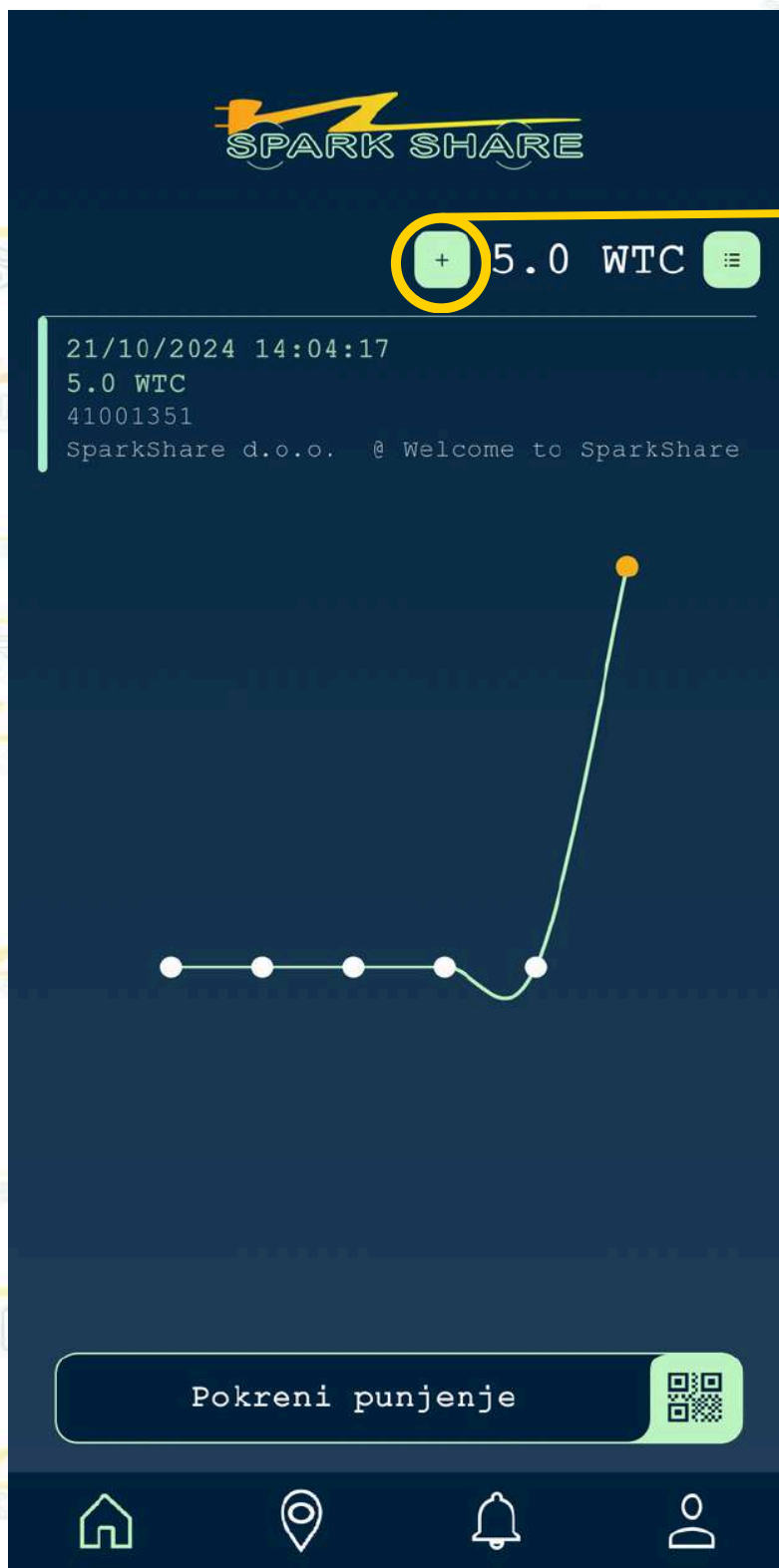
Na naslovnoj stranici odaberite označenu ikonu

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

Doplata računa

1 EUR = 3.98 WTC

EUR

WTC

Broj kartice

Datum isteka   CVV

Spremi karticu

Potvrdi kupovinu

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"
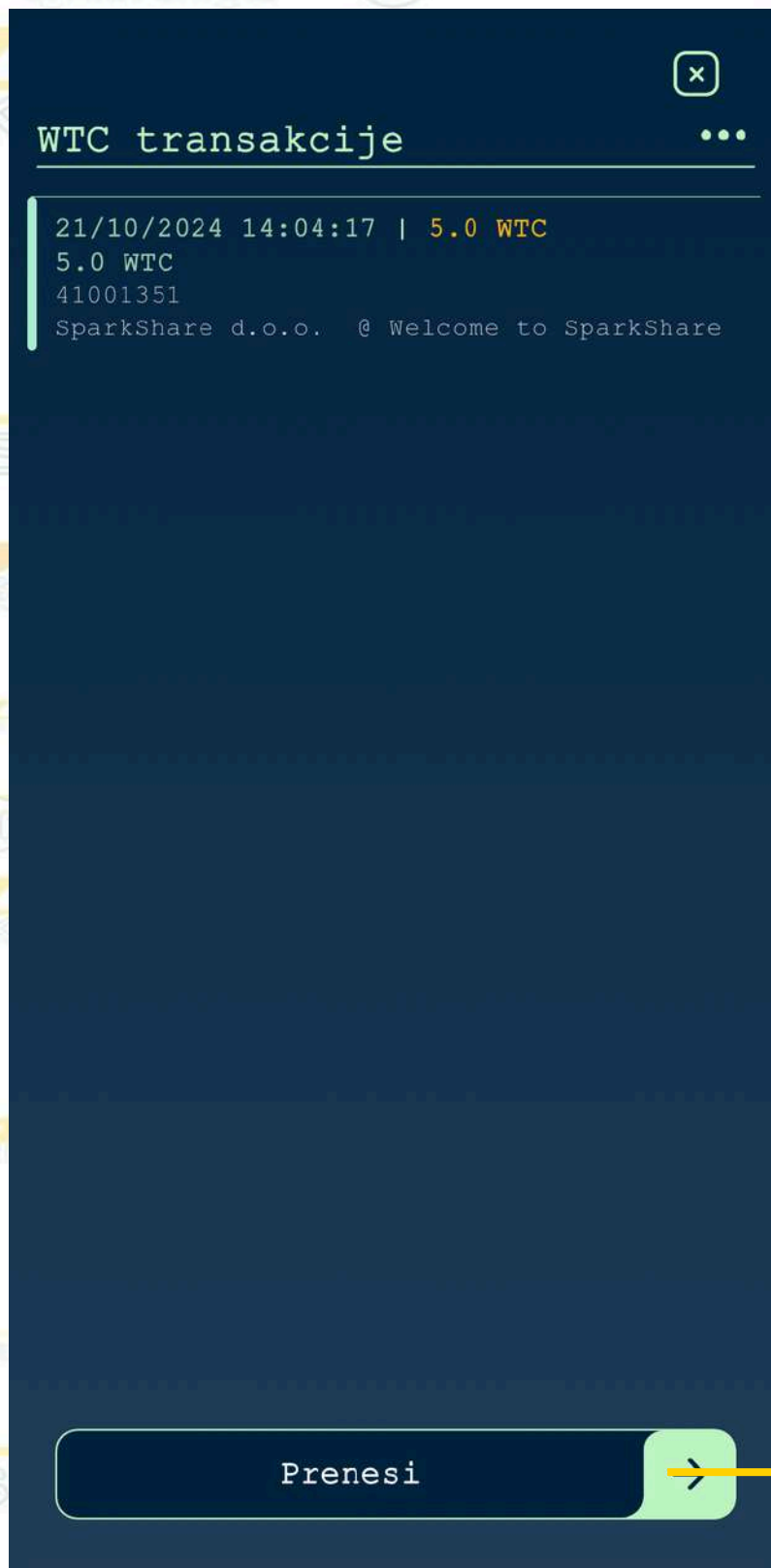
PRIJENOS WTC TOKENA

Ukoliko želite prebaciti WTC tokene sa svog računa na račun drugog člana SparkShare zajednice, koraci su sljedeći:
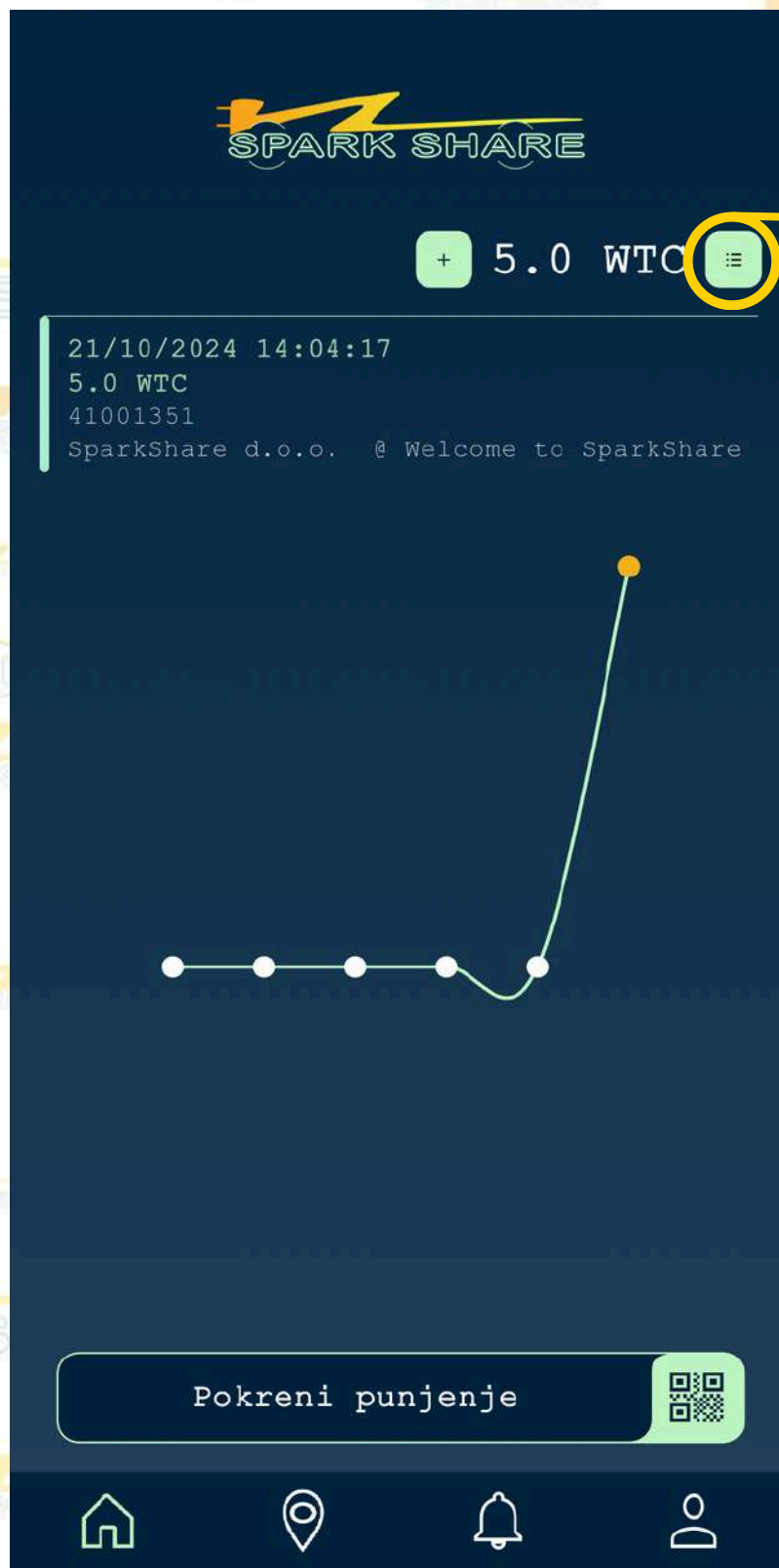
Na "Naslovnoj stranici" odaberite označenu ikonu

Nakon odabira prikazane ikone, otvorit će se popis WTC
transakcija

WTC transakcije   •••

21/10/2024 14:04:17 | 5.0 WTC
5.0 WTC
41001351
SparkShare d.o.o. @ Welcome to SparkShare

Prenesi   →

Za prijenos
odaberite
"Prenesi"

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

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

Prenesi

Ime ili broj telefona

Prijatelji

+

Dodaj

Svi kontakti

Nema kontakata za prikaz

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:

Prenesi

Unesi iznos

WTC   0,00

U označeno područje unesite iznos WTC tokena koje želite prenijeti

Dodaj poruku

Ukoliko želite, možete napisati poruku uz prijenos

1	2	3
4	5	6
7	8	9
,	0	⌫

Prenesi

Nakon što ste unijeli željeni iznos te opcionalno poruku, pritisnite "Prenesi"

PUNJENJE NA SPARKSHARE LOKACIJAMA ZA KORISNIKE BEZ SPARKSHAREBOXEV-A

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

Potrebno je registrirati se u SparkShare mobilnu aplikaciju (objašnjeno u poglavlju 2) te uplatiti sredstva na svoj SparkShare račun (poglavlje 4).
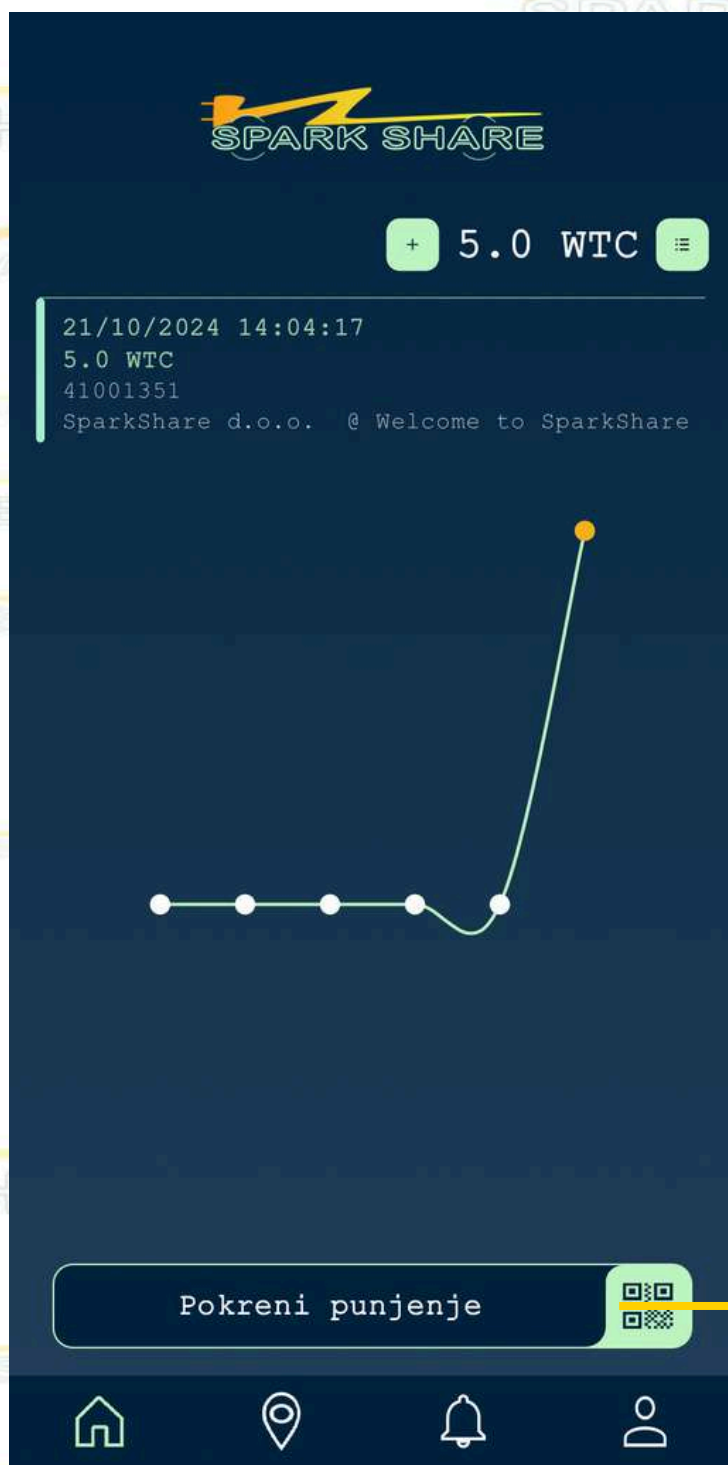
Za pokretanje punjenja, potrebno je na "Naslovnoj stranici" odabrati "Pokreni punjenje"

Skeniranje QR koda

Približite Vaš mobilni uredaj
naljepnici QR koda. Cijela oznaka treba
biti unutar prikazanih rubova.
Uključite bljeskalicu ako je potrebno.
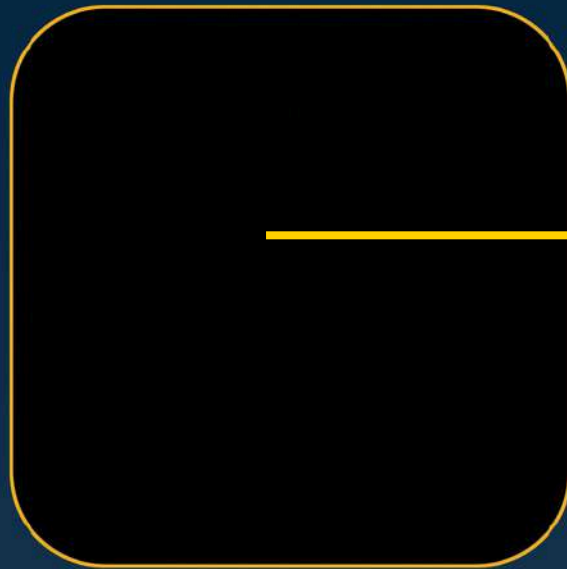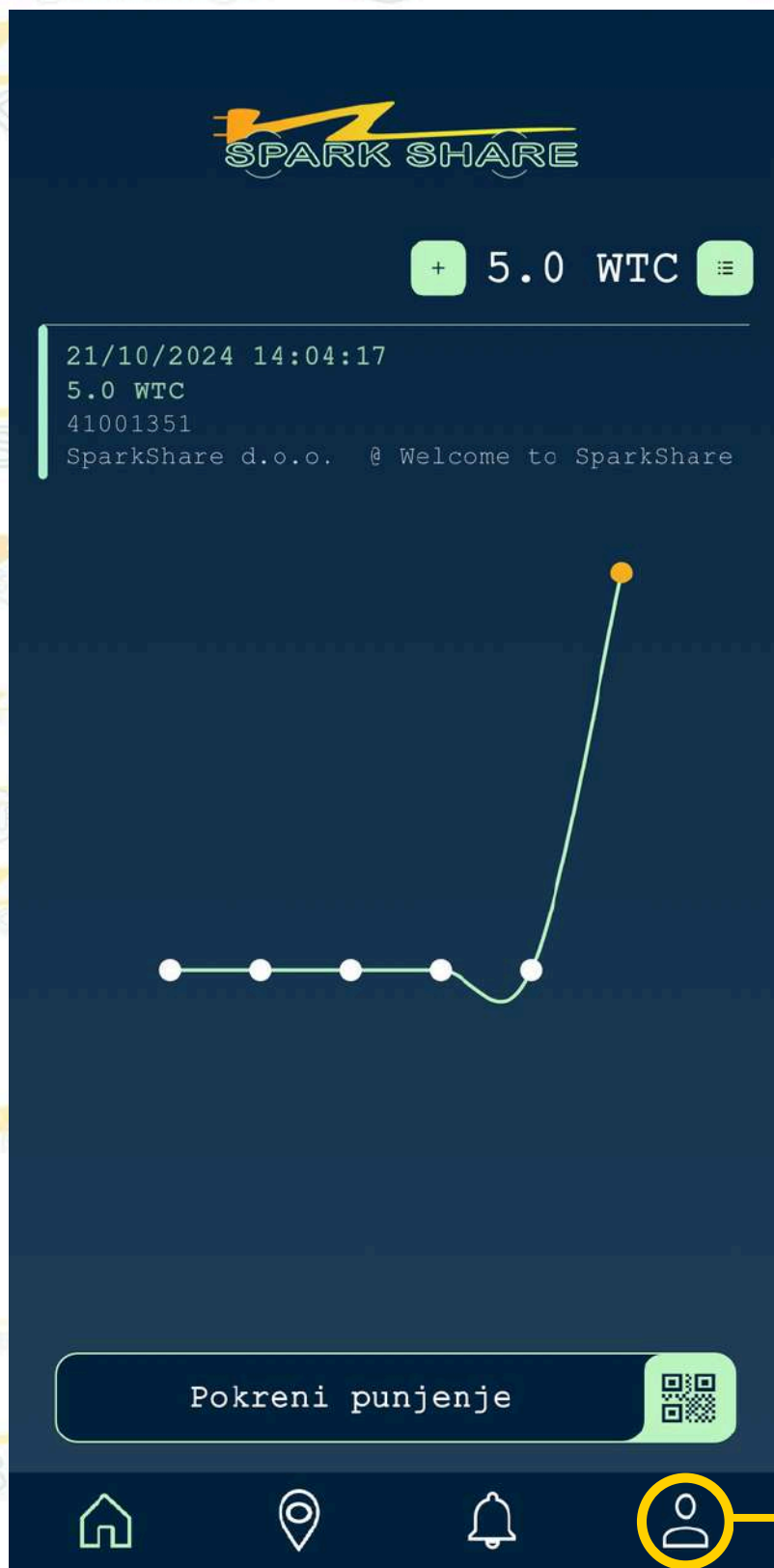
Nakon odabira "Pokreni punjenje" otvorit će se prozor unutar kojeg je potrebno skenirati QR kod punjača nakon čega će punjenje započeti

DEAKTIVACIJA UREĐAJA

Na "Naslovnoj stranici" odaberite "Profil"

Lea Grbavica

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✉ info@sparkshare.eu

🚗

Podaci

Osobni podaci

Moji uređaji

Kuponi

Prijava na portal

Kupi novi SparkShare BOX

Jezik   Croatian ▾

Brisanje računa

⌃

Statistika   ⌄

Sigurnost   ⌄

Podrška   ⌄

O nama   ⌄

Odaberite
"Moji uređaji"

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

Moji uređaji ⊠

048C6471   Slobodno 🔴
Stanka Vraza 7, 31000 Osijek
Ukupno kW/WTC   0.00/0.00
Temp. -   FW ver. 1.6.19

Odaberite uređaj za koji želite poduzeti određene radnje

Dodaj novi +

Korištenje uređaja

048C6471

WTC ⦿   kWh ◯

0.1

12/23 01/24 02/24 03/24 04/24 05/24 06/24 07/24 08/24 09/24 10/24 11/24

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.

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 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.

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 "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 je korisna kada ste, primjerice, instalirali SparkShare mobilnu aplikaciju, aktivirali je, koristili, a zatim odlučili da više ne želite koristiti SparkShare aplikaciju.
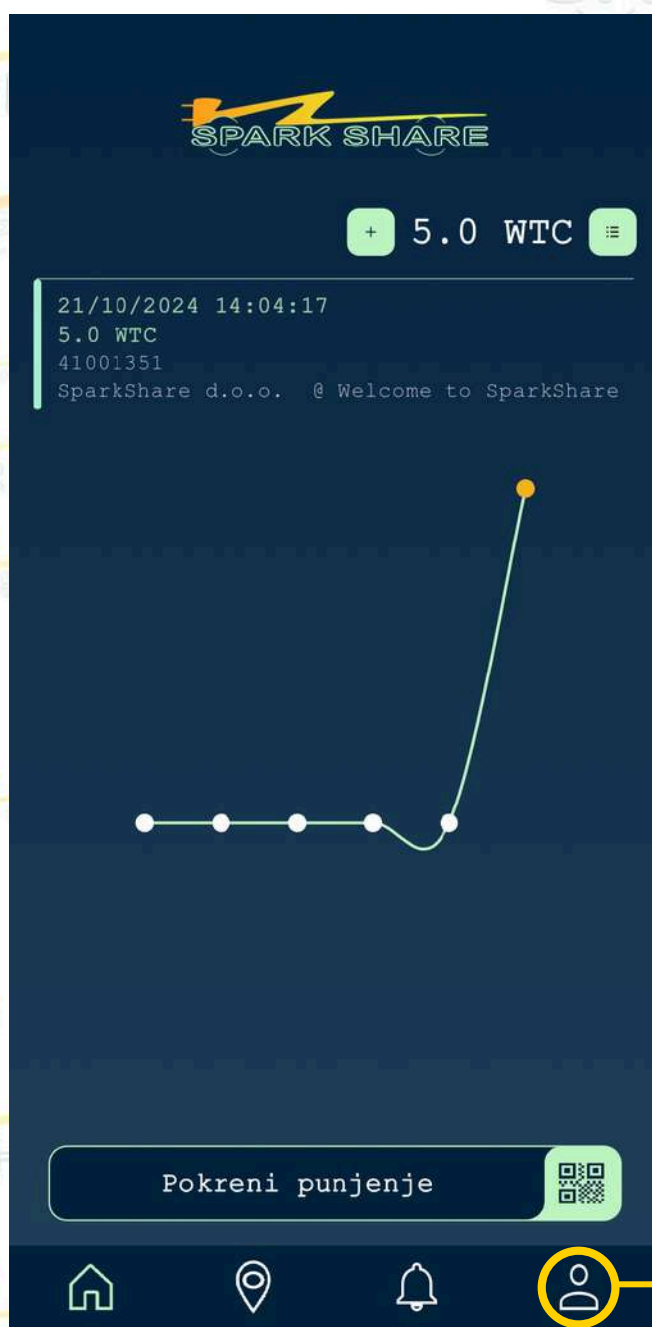
Na "Naslovnoj stranici" odaberite "Profil"

Lea Grbavica

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🚗

Podaci

Osobni podaci

Moji uređaji

Kuponi

Prijava na portal

Kupi novi SparkShare BOX

Jezik   Croatian ▾

Brisanje računa

⌃

Statistika   ⌄

Sigurnost   ⌄

Podrška   ⌄

O nama   ⌄

Na "Profilu"
odaberite
"Brisanje
uređaja"

Brisanje računa

Korisnički račun:
Lea Grbavica

Uređaji:
048C6471

Stanje WTC:
5.1

!

Odabirom opcije obriši račun ukloniti će se Vaš korisnički račun, obrisati će se i deaktivirati svi Vaši uređaji kao i svo presotalo stanje WTC-a na Vašem računu.

Obriši račun 🗑

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

SADRŽAJ

PRIJAVA NA SS PORTAL

Putem SparkShare mobilne aplikacije vrši se prijava na SparkShare Portal.
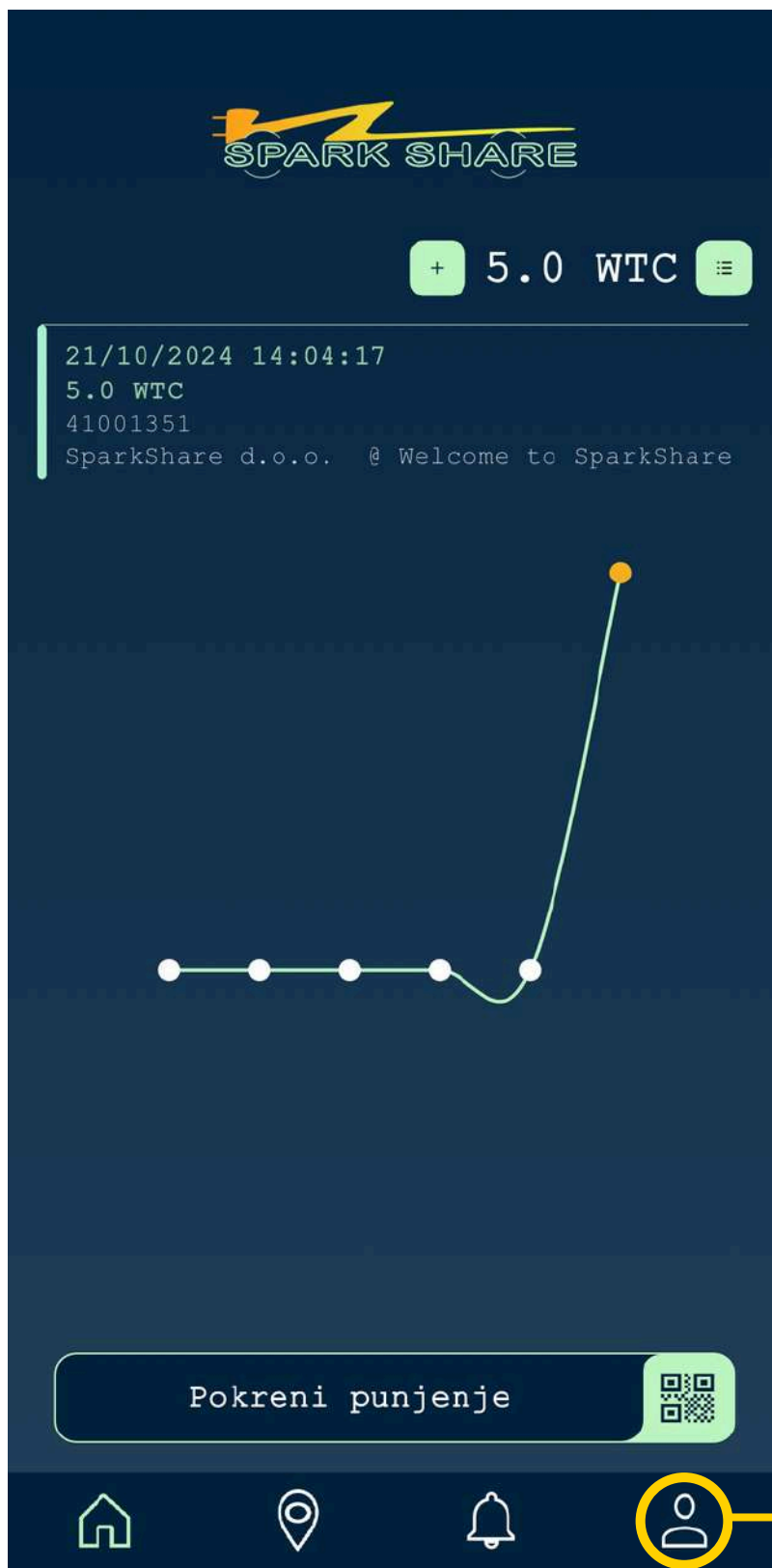
Na "Naslovnoj stranici" odaberite "Profil"

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🚗

Podaci

Osobni podaci

Moji uređaji

Kuponi

Prijava na portal

Kupi novi SparkShare BOX

Jezik   Croatian ▾

Brisanje računa

⌃

Statistika ⌄

Sigurnost ⌄

Podrška ⌄

O nama ⌄

Odaberite "Prijava na portal"

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

Prijava na portal

Prijavite se na SparkShare Portal
skreniranjem QR koda
(https://portal.sparkshare.eu)

Token ID
5412 2122

Token PIN
E832 K5P6

Skenirajte QR kod za prijavu
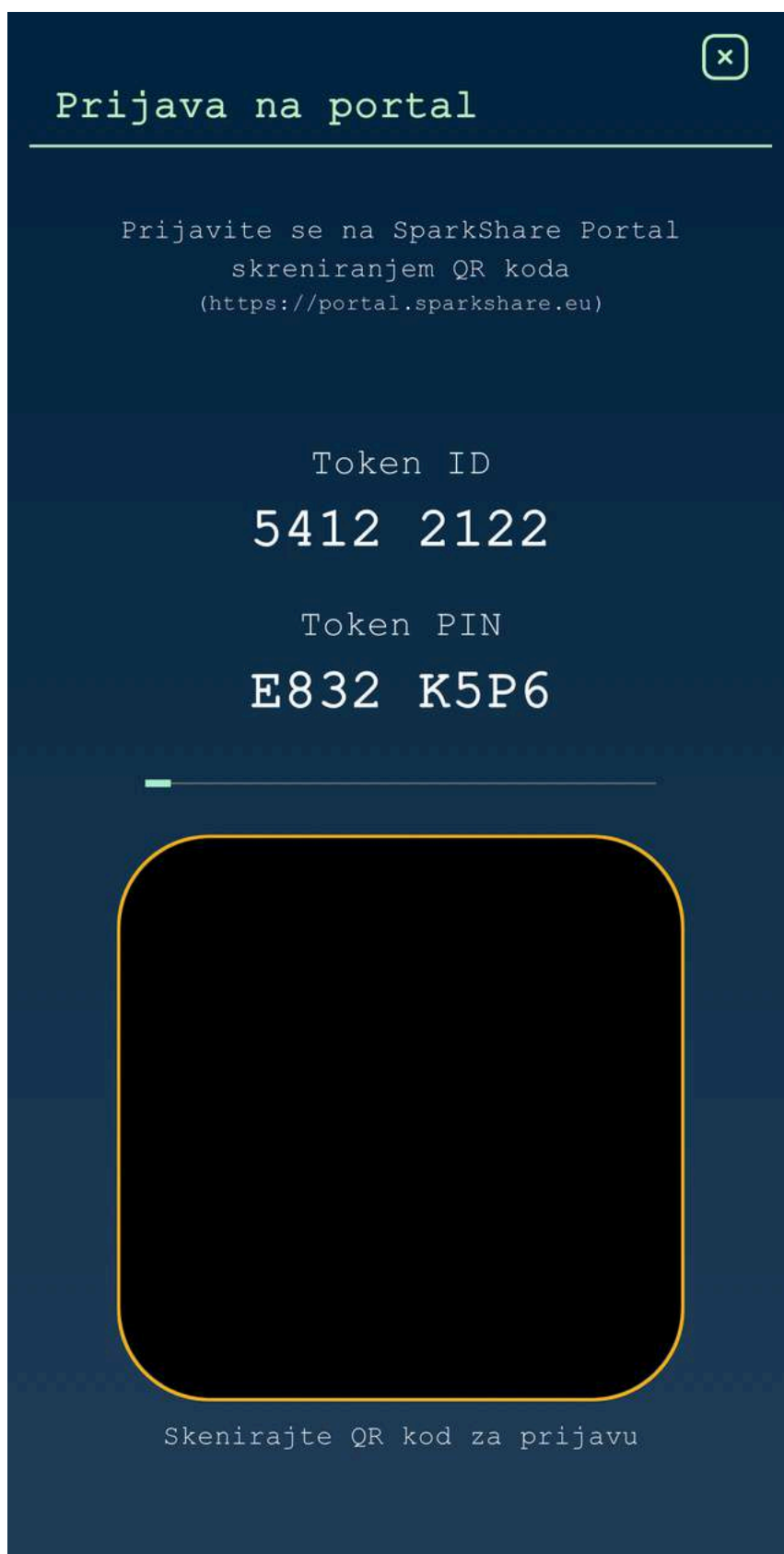
Za pronalaženje QR koda, posjetite web stranicu SparkShare Portala
(portal.sparkshare.eu)
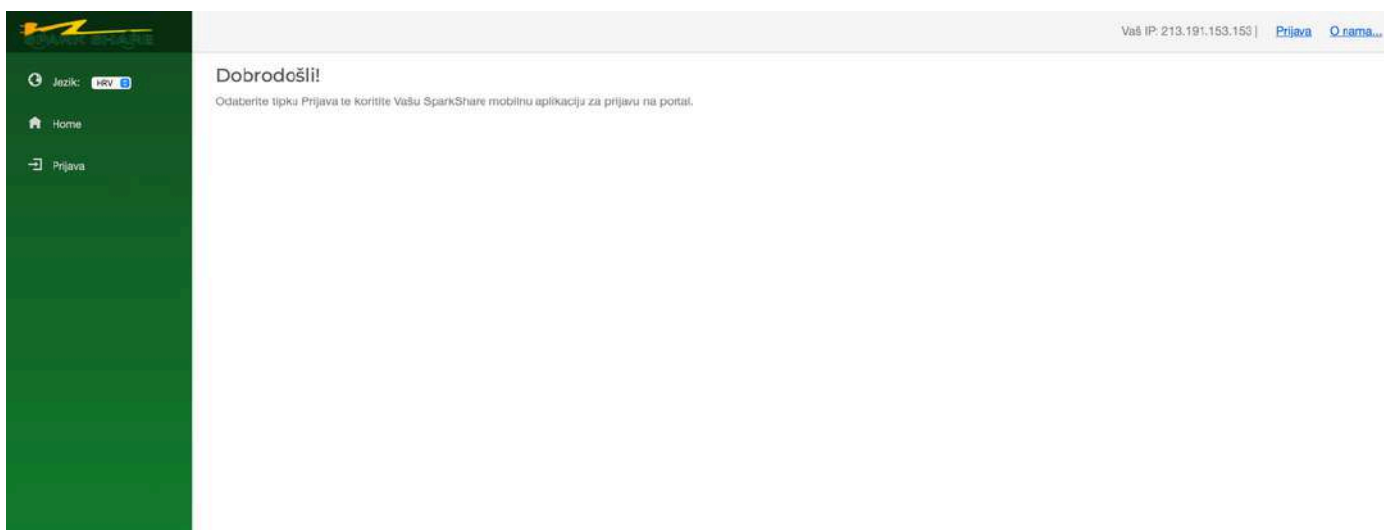
Na početnoj stranici odaberite opciju "Prijava" u gornjem desnom kutu.
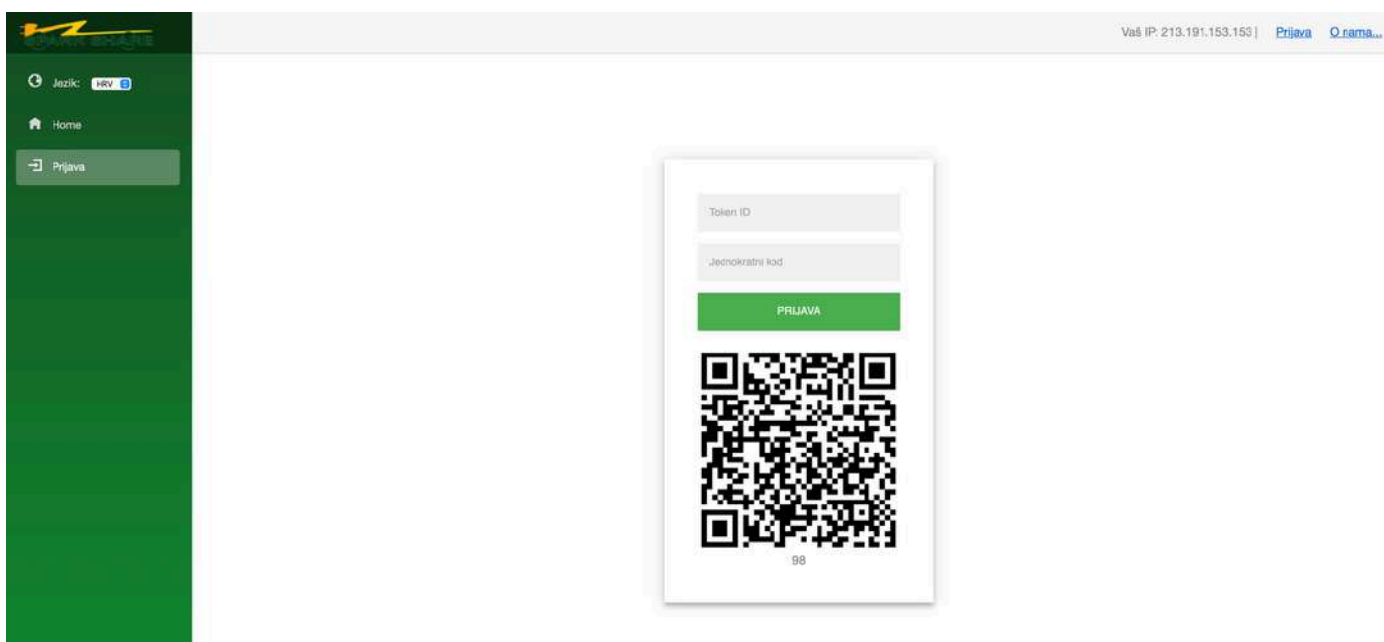
Mobilnom aplikacijom skenirate QR kod.

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.

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.

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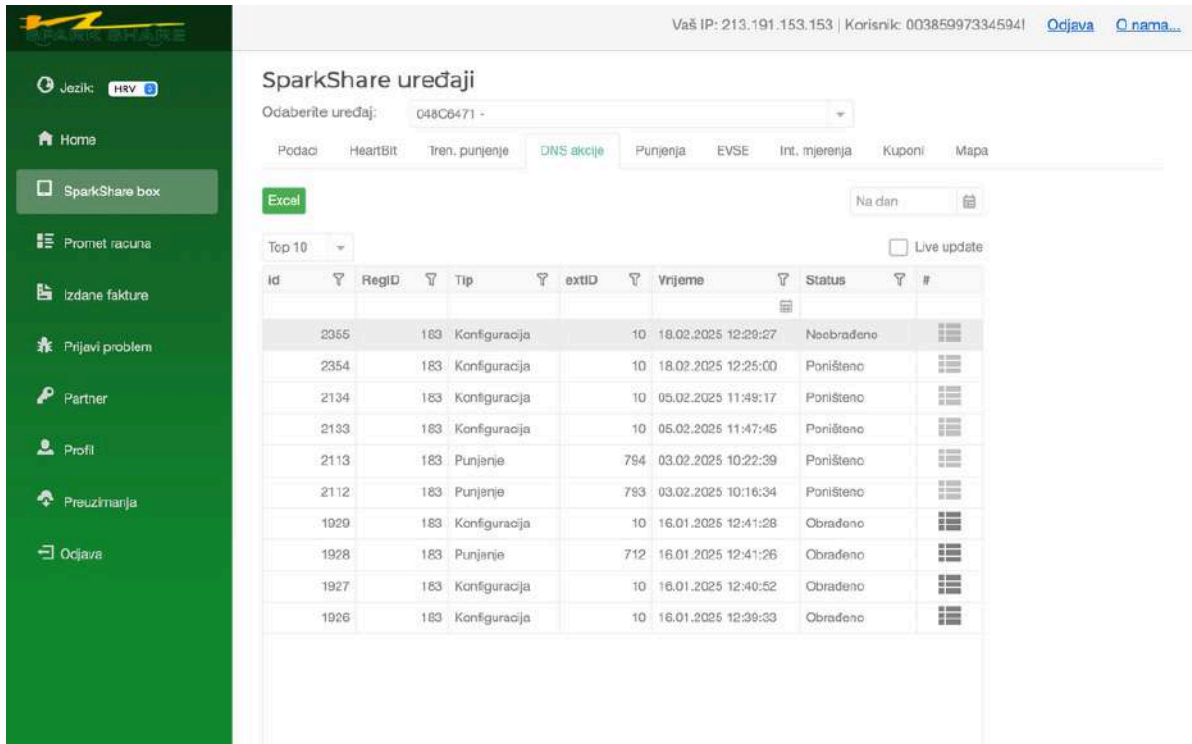
Uz te osnovne podatke, možete vidjeti i tehničke parametre kao što su trenutni napon, struja, snaga i količina energije koju uređaj registrira tijekom punjenja.

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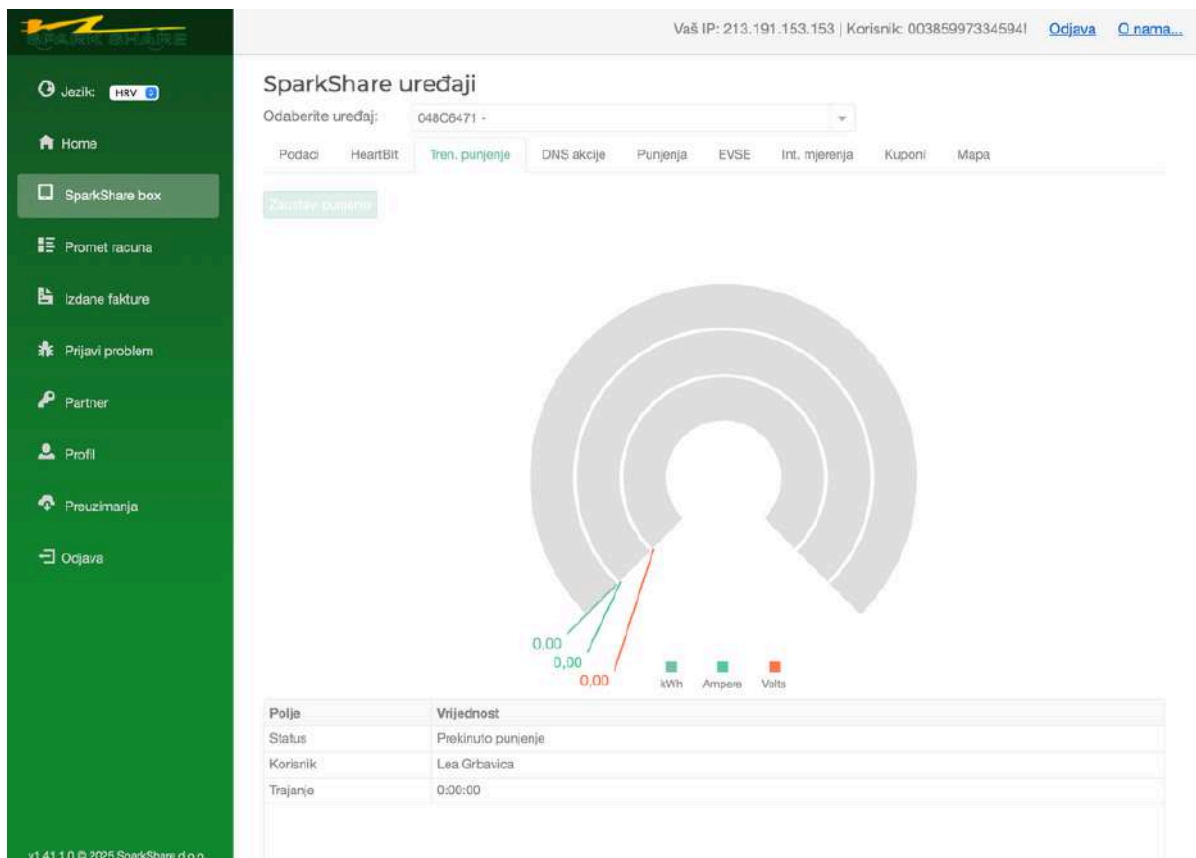
DNS AKCIJE
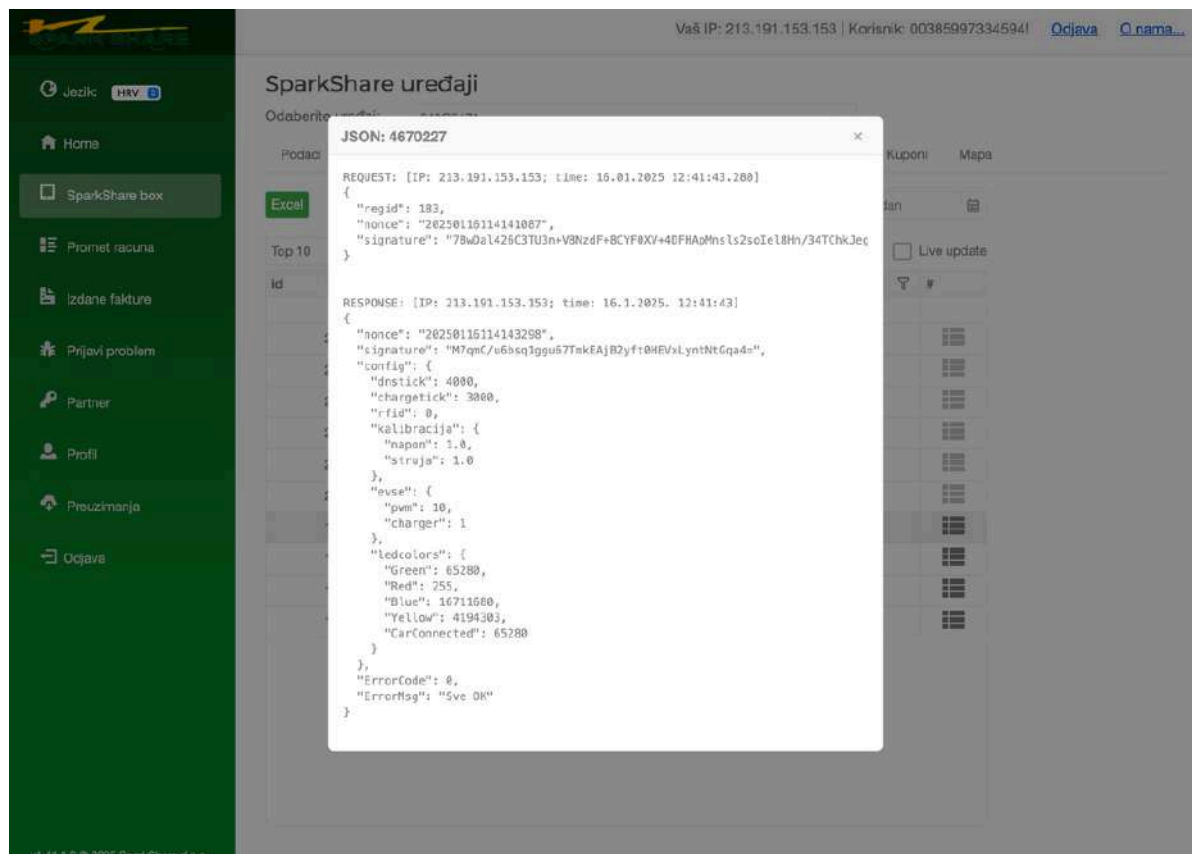
U ovom podizborniku moguće je pogledati podatke koji se šalju između uređaja i cloud-a u stvarnom vremenu. Pritiskom na tipku u zadnjoj koloni, moguće je vidjeti cijeli JSON string iz tog reda akcije.

Primjer jednog JSON stringa:

PUNJENJA

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

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.

oba		RFID		Req sTime		sTime		fTime		Status		#
Grbavica				03.02.2025 10:22:39						Prekinuto punjenje		
Grbavica				03.02.2025 10:16:34						Prekinuto punjenje		
lo Kosina				16.01.2025 12:41:26		16.01.2025 12:41:29		16.01.2025 12:41:40		Prekinuto punjenje		
lo 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**

v1.41.1.0 © 2025 SparkShare d.o.o.

SparkShare uređaji

Odaberite uređaj: 048C6471 -

| Podaci | HeartBit | Tren. punjenje | 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	164		☰
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	3335	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.

SparkShare uređaji

Jezik: HRV

Home

SparkShare box

Promet racuna

Izdane fakture

Prijavi problem

Partner

Profil

Preuzimanja

Odjava

Odaberite uređaj: 048C6471 -

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

Excel

Na dan

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
7105815	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	242,86	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

KUPONI

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

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.

Nakon što unesete potrebne podatke i odaberete "Snimi" kupon je moguće poslati na email ili SMS-om.

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".
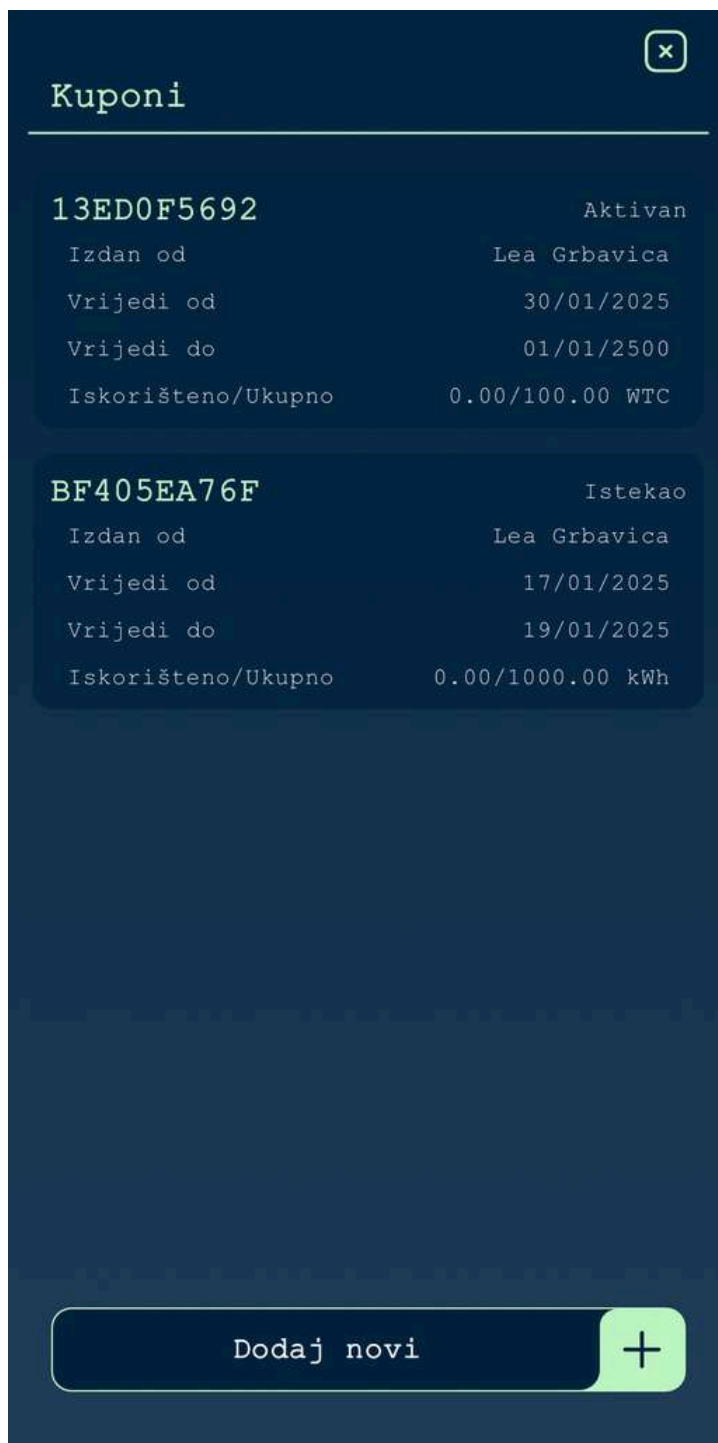
Kupon je moguće aktivirati i odabirom "Dodaj novi" gdje će biti potrebno skenirati QR kod kupona.

Ukoliko želite izdati kupon, ali ne određenoj osobi. Postupak je isti. Odaberete "Novi unos" te unesete potrebne podatke te prilikom "Slanja kupona" odaberete "Odustani".

Takav kupon se aktivira putem mobilne aplikacije : "Kuponi" - "Dodaj novi" te skeniranje QR koda kupona.

MAPA

Na mapi su prikazani svi Vaši aktivirani uređaji koji imaju prikazanu lokaciju.
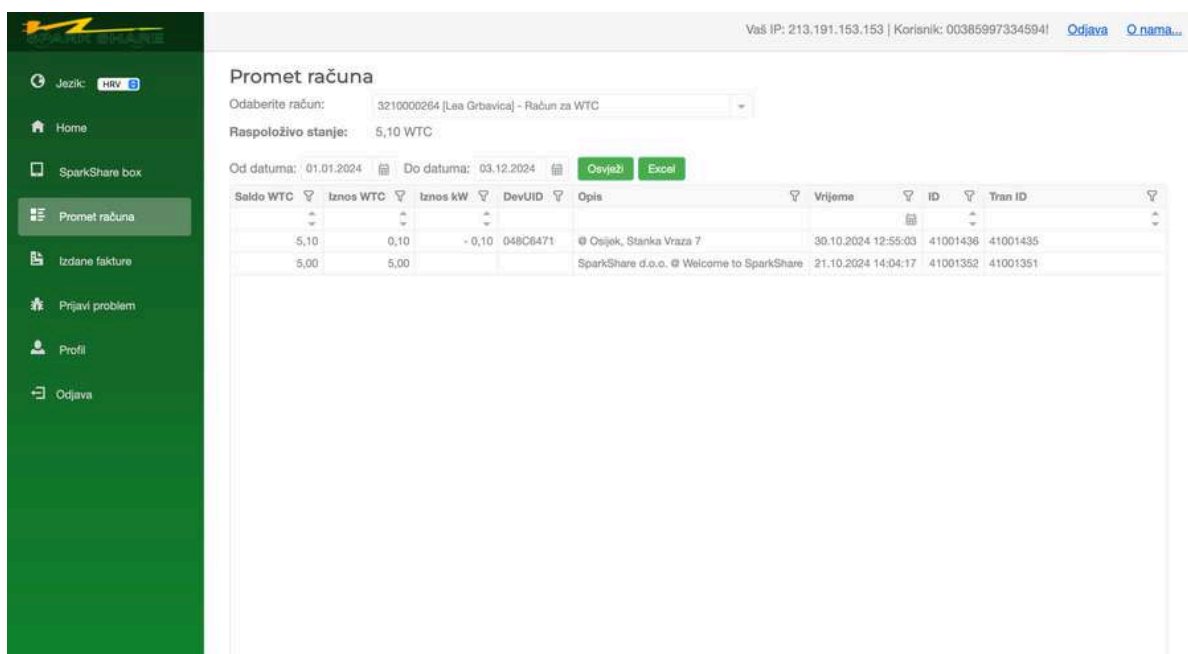
Moguć je prikaz "Mapa" i "Satelit".

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.

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 zaprimit 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.

PROFIL

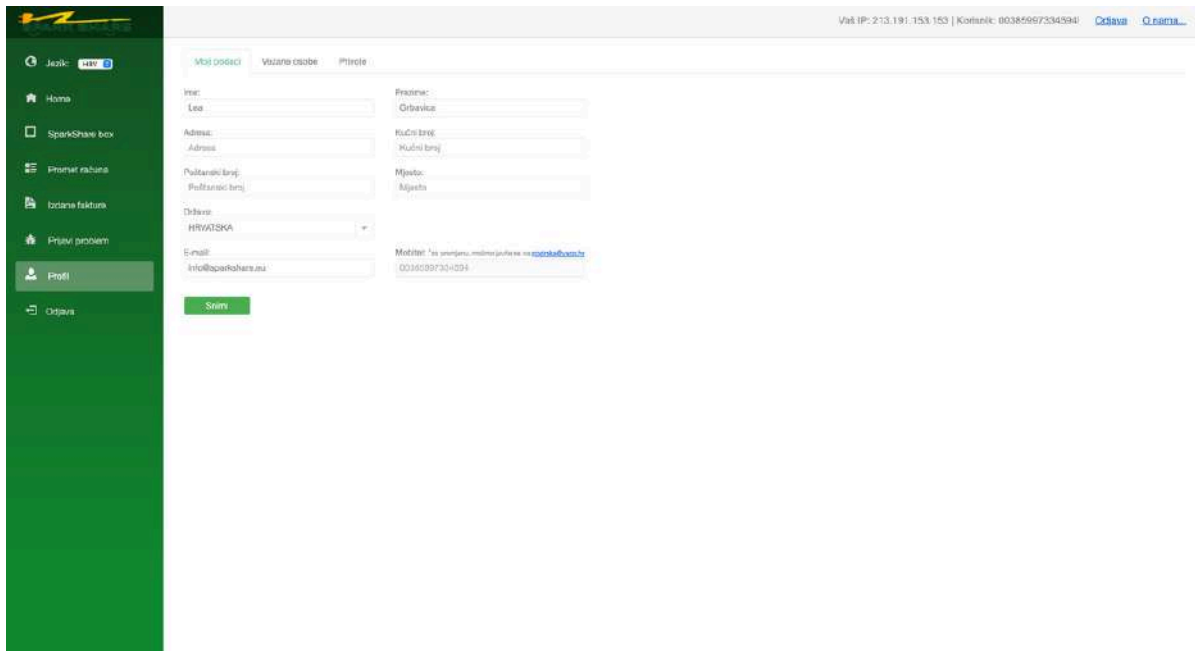U izborniku Profil korisnicima je omogućeno pregledavanje i izmjena osobnih podataka. Također, dostupan je pregled osoba vezanih uz Vaš korisnički račun. Ako želite promijeniti broj mobitela, potrebno je kontaktirati našu podršku putem e-maila na adresu podrška@vaco.hr.

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

INSTALLATION MANUAL FOR

BOXEV

CONTENT

WARNINGS AND SAFETY NOTES

GENERAL SAFETY WARNINGS FOR BOXEV

Read All Instructions Before Use: Ensure that you fully understand all installation and usage instructions for the BOXEV before installing and using it.

Power Circuit Protection: The BOXEV power circuit must be adequately grounded. It must be protected by an appropriate residual current protection device (RCD, type B, 30mA) and a fuse rated according to the cross-section of the power cable and the set maximum current of the BOXEV (recommended B characteristic).

Consider Grounding: The BOXEV must be grounded via a permanent grounding system or grounding conductor. The power circuit must be protected with an appropriate RCCB (Residual Current Circuit Breaker) and a fuse/MCB (Miniature Circuit Breaker). The RCCB must be type B with a rated current of 30mA.

Hazardous Locations: Do not install or use the BOXEV near flammable, explosive, or aggressive materials, chemicals, or vapors.

Turn Off Power Before Servicing: Ensure the BOXEV power circuit is de-energized (e.g., by switching off the circuit breaker) before installation, cleaning, or servicing to avoid the risk of electric shock.

Operating Parameters: Use the BOXEV only within the specified operating voltage, current, and environmental conditions.

Exposure to Liquids: Never spray water or any other liquid directly onto the BOXEV. Also, do not spray liquid onto the charging handle or immerse it in liquid. Always securely place the charging handle on the charger housing and cover it with a rubber cap to prevent unnecessary exposure to moisture or contamination.

Stop Using if Damaged: Stop using the BOXEV if it shows any signs of damage, such as cracks, wear, or malfunction.

Do Not Attempt Repairs: Do not disassemble, repair, modify, or change the BOXEV charger before thoroughly reviewing the user manual. If repair or servicing of the BOXEV is needed, contact a certified Sparkshare partner. If you decide to repair or service the BOXEV yourself, consult the manufacturer for any uncertainties regarding repairs or servicing.

Handle with Care: When transporting the BOXEV, avoid exposing it to strong impacts, forces, or stresses (such as twisting, pulling, or stepping on cables) to prevent damage.

Foreign Objects: Do not insert foreign objects into any part of the BOXEV.

Interference with Medical Devices: The operation of the BOXEV may interfere with the functionality of medical or implanted electronic devices such as pacemakers. Before using the BOXEV charger, consult with the manufacturer of your medical device to ensure safe usage.

Improper Installation: Improper installation and testing of the BOXEV may potentially damage the vehicle's battery or the charger itself.

Avoid Extreme Temperatures: The BOXEV should not be used outside the temperature range of -30°C to +50°C.

Avoid Direct Sunlight and Extreme Weather Conditions: Avoid exposing the BOXEV to direct heavy rain, snow, or other extreme weather conditions.

Cable Protection: Ensure that the BOXEV cable is positioned in a way that prevents it from being stepped on, tripped over, or otherwise damaged or exposed to strain.

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

!

1. **Warning:** Use only a 230/400 V, 50Hz power supply as the power source for the BOXEV.
2. **Warning:** Improper installation and use of the BOXEV may potentially damage the vehicle's battery and/or the BOXEV itself. Any resulting damage may not be covered by the warranty.
3. **Warning:** Do not use the BOXEV outside the temperature range of -30°C to +50°C.
4. **Warning:** Ensure proper ventilation and keep the BOXEV free from obstacles or external factors that may cause overheating or reduced performance.

IMPORTANT SAFETY NOTES BEFORE PROCEEDING

Be cautious during installation to avoid damaging any components or circuits within the BOXEV.

Ensure that the incoming power supply is safely turned off before connecting the BOXEV.

Pay special attention to ensuring the PE (protective grounding) terminal is properly connected and that the protective grounding of the power circuit is correctly implemented.

Do not leave parts such as screws, seals, washers, or other metal objects inside the BOXEV.

It is strictly prohibited for minors or persons with limited abilities to approach the BOXEV to prevent potential injuries.

It is strictly forbidden to use the BOXEV if the charging cables are damaged, cracked, worn, broken, or if the copper wires are exposed. If you notice any damage, please contact us and order a replacement part via the SparkShare webshop as soon as possible.

We recommend that the replacement be carried out by qualified personnel. However, if you choose to repair your device on your own, it is essential to thoroughly familiarize yourself with these instructions, particularly the chapters: Warnings and Safety Notes, What's in the Box, Installation Steps, and Electronic Wiring Diagram.

It is recommended to conduct routine safety inspections of the BOXEV charger at least once a week.

The maximum power rating for the BOXEV is 22 kW or 32A at 400V AC three-phase power.

DESCRIPTION	SPECIFICATION
Voltage	230/400 V
Current	32 A (per phase)
Frequency	50 Hz
Cable Lenght	6 m
Dimensions	38x38x14
Weight	5 kg
Operating temperature	-25 -50 C
Storage temperature	-40 -75 C
Agency Approvals	CE

SELF-CHECK AND RECOVERY

Manual testing and resetting is not required.
If a residual current fault occurs, the external RCD (FID) switch or fuse will clear the fault. Once the fault is cleared and the power is restored, the BOXEV will turn on and restart. If the power interruption occurs during charging, the BOXEV will resume charging once power is restored.
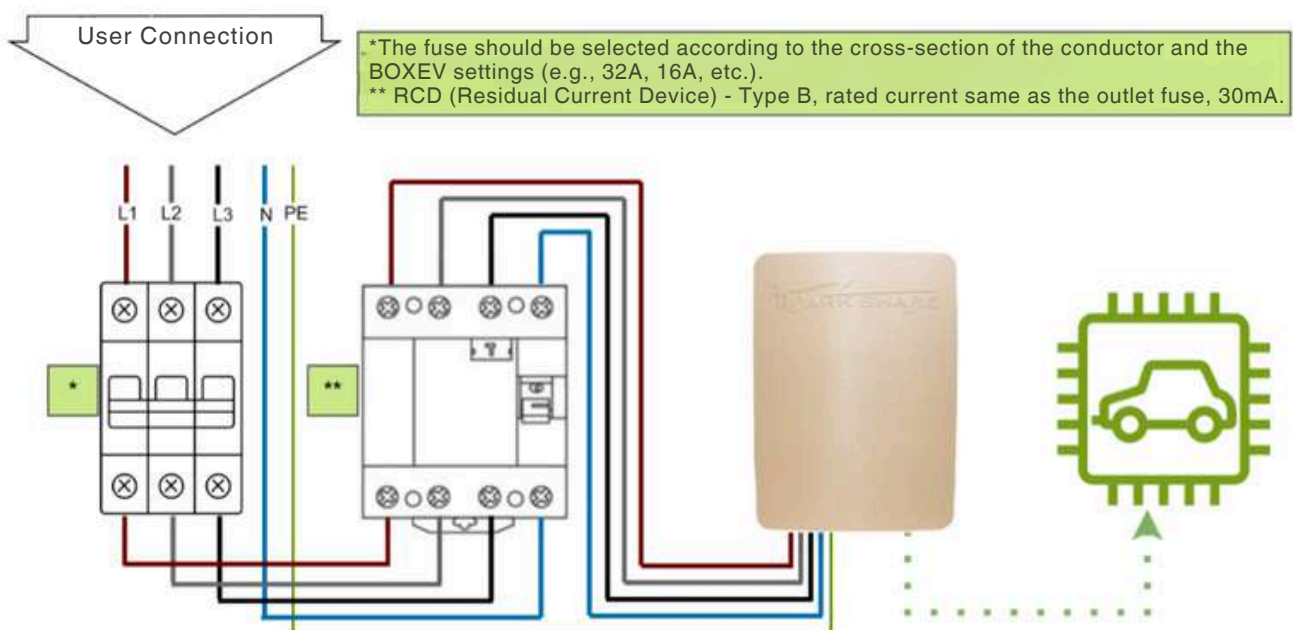
LOAD DISTRIBUTION

The BOXEV allows multiple chargers to be connected to a single circuit, providing vehicle owners with the assurance that they can charge multiple vehicles simultaneously without overloading the circuit. Multiple BOXEV chargers communicate with each other to share the load between vehicles, ensuring that the load never exceeds the allowable circuit voltage.

MINIMUM REQUIREMENTS

The installation of the BOXEV requires that you:

1. Calculate the existing electrical load to determine the maximum operating current of the outlet you want to power the BOXEV from.
2. Ensure minimal voltage drop by placing the BOXEV as close as possible to the distribution box.
3. Obtain all necessary permits from the relevant local authorities and confirm that an inspection after the installation is scheduled by a qualified electrician.
4. Use only copper conductors.
5. Use conductors sized according to local electrical installation regulations. The selected cable must be capable of handling continuous loads up to 32A.
6. Use protective devices. The protection device for the outlet must be selected to include appropriate grounding protection (RCD) and protection from overload/short circuit (fuse) according to the chosen electrical load.

Note: Consult with an electrician to ensure that the installation meets local regulations.

User Connection

*The fuse should be selected according to the cross-section of the conductor and the BOXEV settings (e.g., 32A, 16A, etc.).
** RCD (Residual Current Device) - Type B, rated current same as the outlet fuse, 30mA.

L1 L2 L3 N PE

REQUIRED TOOLS

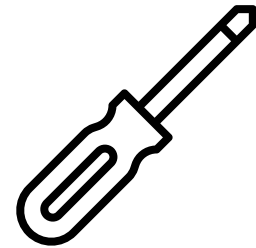To install BOXEV the following tools are required:
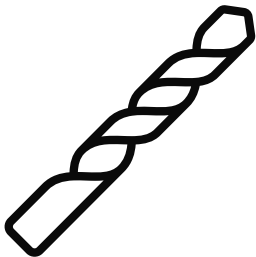
Mandatory:
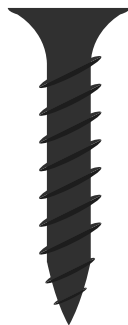
Electric drill
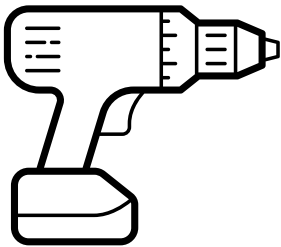
Wire cutting and stripping pliers
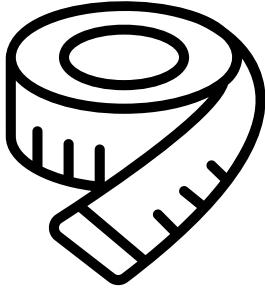
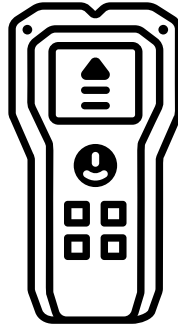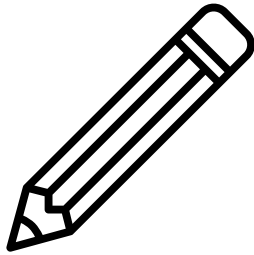Phillips Screwdriver

8 mm drill bit

3x8mm screw + plastic wall plug
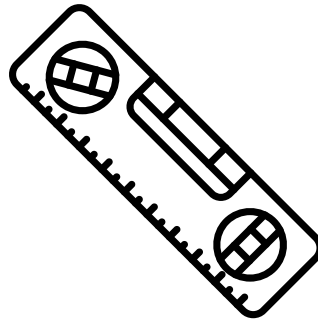
10 cents

Optional:

Measuring tape

Cable detector

Pencil

Water level

WHAT DO YOU GET IN THE BOX?

Item	Description	Quantity
	Installation pamphlet	1
	Quick guide	1
	Back BOX	1

Decorative
cover

1

Charging cable
Type 2

1

Plastic pin

3

INSTALLATION STEPS

Warning: After completing the installation to the desired position, lower/turn off the appropriate fuse in the main circuit, TURN OFF THE POWER, AND CONFIRM THAT THE CIRCUIT IS DE-ENERGIZED BEFORE PROCEEDING.

1. Open the box (details below) and take out the installation brochure, which marks the drilling holes and mounting points for the box.
2. To ensure proper placement of the box, it is recommended to use a spirit level.
3. Mark the drilling points on the wall.
4. It is recommended to use a cable detector to check for electrical wiring, plumbing pipes, or other obstacles behind the wall.
5. Drill the holes with the appropriate drill bit, the recommended size is 8 mm.
6. Insert the plastic wall plugs into the drilled holes.
7. Take the BOXEV device.
8. Unscrew the two plastic rivets from the sides of the device to release the decorative cover.
9. Carefully separate the decorative cover and disconnect the LED lights in the center of the cover. Unplug the LED control cable.
10. Unscrew the plastic rivet securing the bottom cover at the base of the device.
11. Carefully remove the bottom cover by pulling it downwards.
12. Position the box on the wall, aligning it with the previously drilled holes using the installation brochure.
13. Secure the box to the wall with screws.
14. Thread the power cable through the hole at the bottom of the box.
15. Connect the wires from the power cable to the appropriate terminals: L1, L2, L3, N, PE. (Refer to the section on the Electrical Wiring Diagram.)
16. Reattach the bottom cover by pulling it upwards.
17. Re-secure the plastic rivet to hold the bottom cover in place.

18. Reconnect the LED diode connector (pay attention to the wire colors).
19. Reattach the decorative cover to the box.
20. Secure the two plastic rivets on the sides of the device to hold the cover in place.
21.Turn on the device's power by switching the previously turned-off fuse back on.

THE PROCEDURE FOR OPENING THE BOX

1.
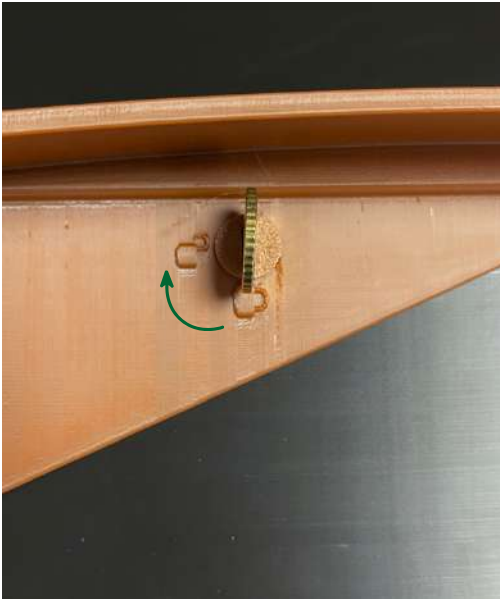
Insert a 10-cent coin into the slot on the side, then turn it in the "lock-unlock" direction, as shown in the photo. After unlocking the plastic pin, carefully remove it from the BOXEV.

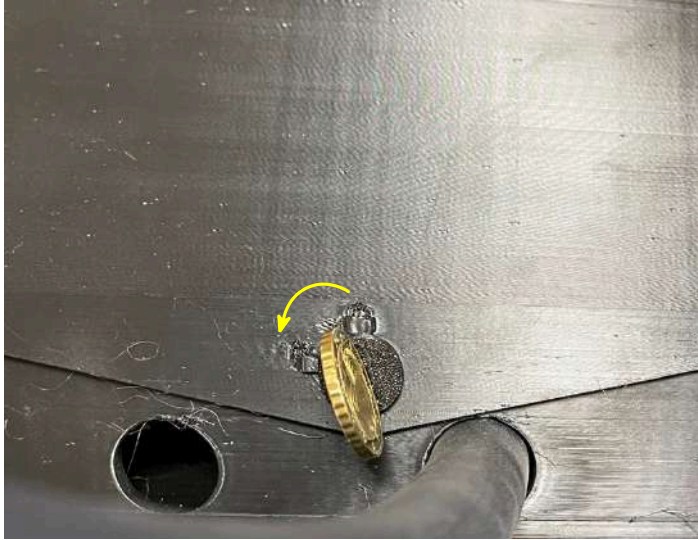Repeat the process on the other side of the BOXEV.

2.

Once both plastic pins are removed, carefully pull the decorative cover towards you to remove it.

Detach the decorative cover from the bottom part by gently pulling at the marked location in the photo (disconnecting the LED diode connector).

3.

On the underside of the inner BOXEV box, there is a plastic pin. Insert a 10-cent coin and turn it in the direction shown in the photo. After unlocking, carefully remove the plastic pin and pull the unlocked part of the inner box towards you.

ELECTRICAL WIRING DIAGRAM (3 PHASE)
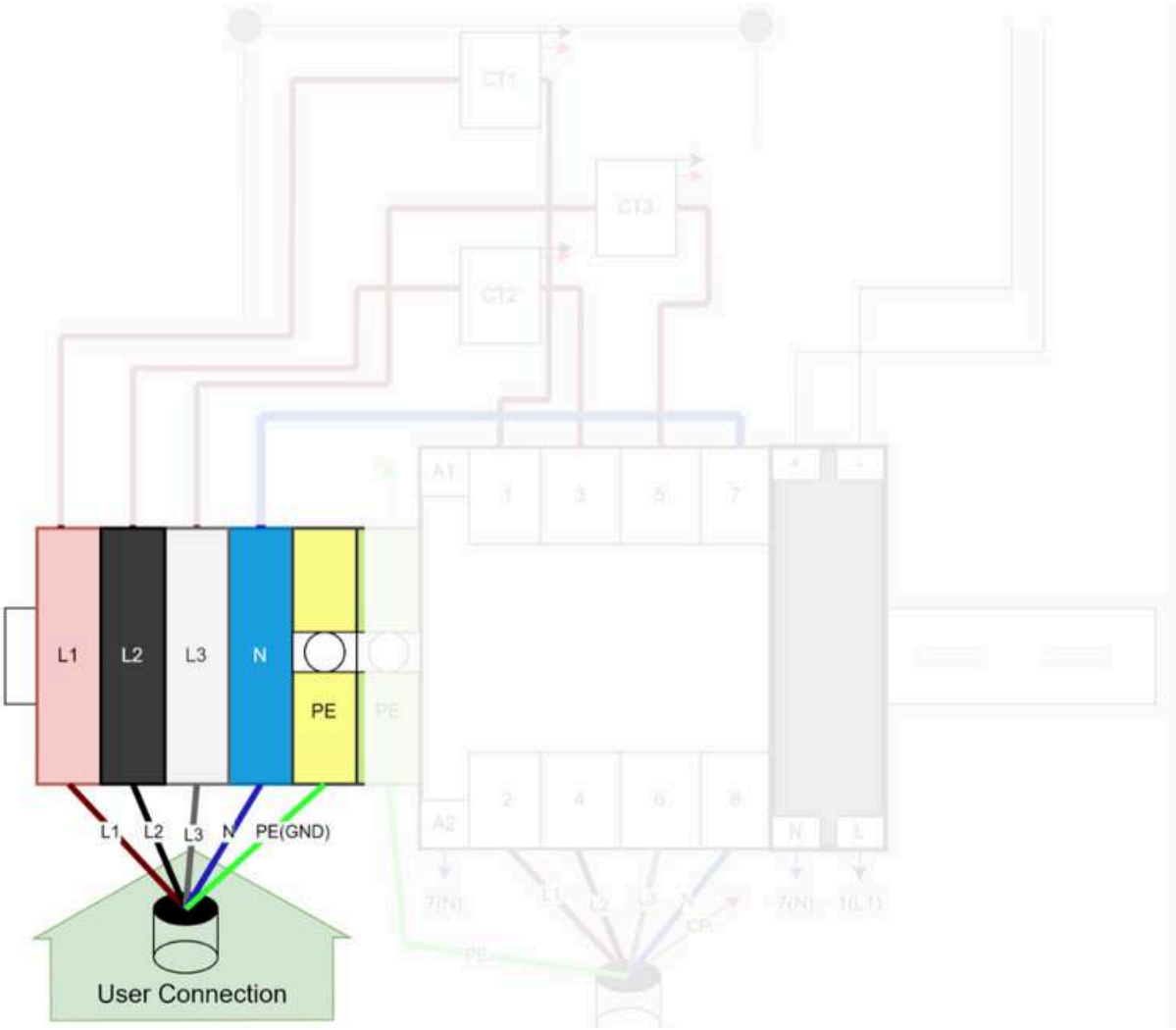
OPERATION SCENARIOS FOR BOXEV

! Charging current of the BOXEV is limited to 6A until the device is connected via the SparkShare app.

SCENARIO 1: USING ALL THE FEATURES OF THE SPARKSHARE NETWORK

If you want to use all the functionalities provided by the SparkShare network, including making the charger publicly available in the mobile app, monitoring and controlling via the mobile app and/or SparkShare portal, sharing electricity, and other features, you need to:

1. Install the BOXEV and turn on the device.
2. Download the SparkShare mobile app by scanning the QR code found in the installation brochure.
3. Create an account and connect to the device via Bluetooth.
4. Set the device's preferences according to your needs.
5. Download the QR code for your device from the SparkShare Portal (page 145 of this User Manual).
6. Place the QR code in a visible location so that users who want to use the charger can start charging by scanning the QR code.
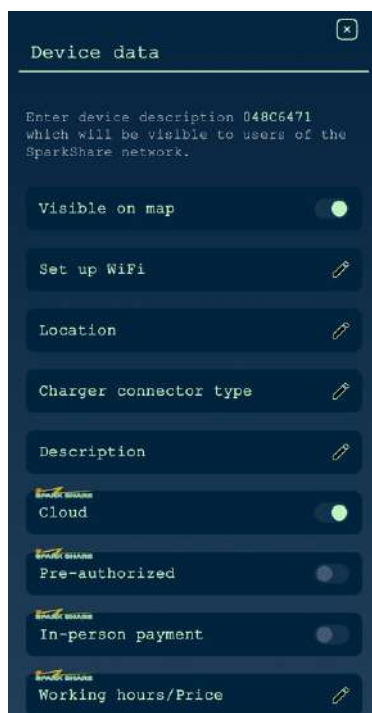
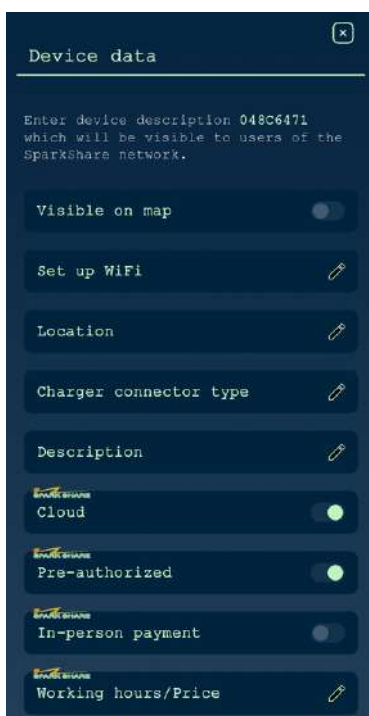Functions that need to be enabled:
"Visible on Map"
"Cloud"

SCENARIO 2: PRIVATE CHARGER WITH MONITORING AND CONTROL

If you want to have monitoring and control over the charger via the mobile app and/or portal, but do not want it to be publicly accessible, you need to:

1. Install the BOXEV charger and turn on the device.
2. Download the SparkShare mobile app by scanning the QR code found in the installation brochure.
3. Create an account and connect to the device via Bluetooth.
4. Set the device's preferences according to your needs and select the "Pre-authorized" option in the settings.

In this case, there is no need to scan the QR code when starting the charging process. As soon as the charger is connected to the vehicle, charging will start automatically.

Note: When using this option, no WTC tokens will be exchanged.

Functions that need to be enabled:
"Cloud"
"Pre-authorized"

## SCENARIO 3: BOXEV WITHOUT MONITORING AND CONTROL

If you do not want to have control and monitoring over your BOXEV device or cannot ensure a stable internet connection, it can operate without smart functionalities. In this case:

- Charging starts automatically once the vehicle is connected.
- No monitoring or control is available via the mobile app and/or portal.
- You will not have access to energy consumption data or other charging parameters.
- BOXEV in this scenario serves purely as a simple "box" for charging the electric vehicle.

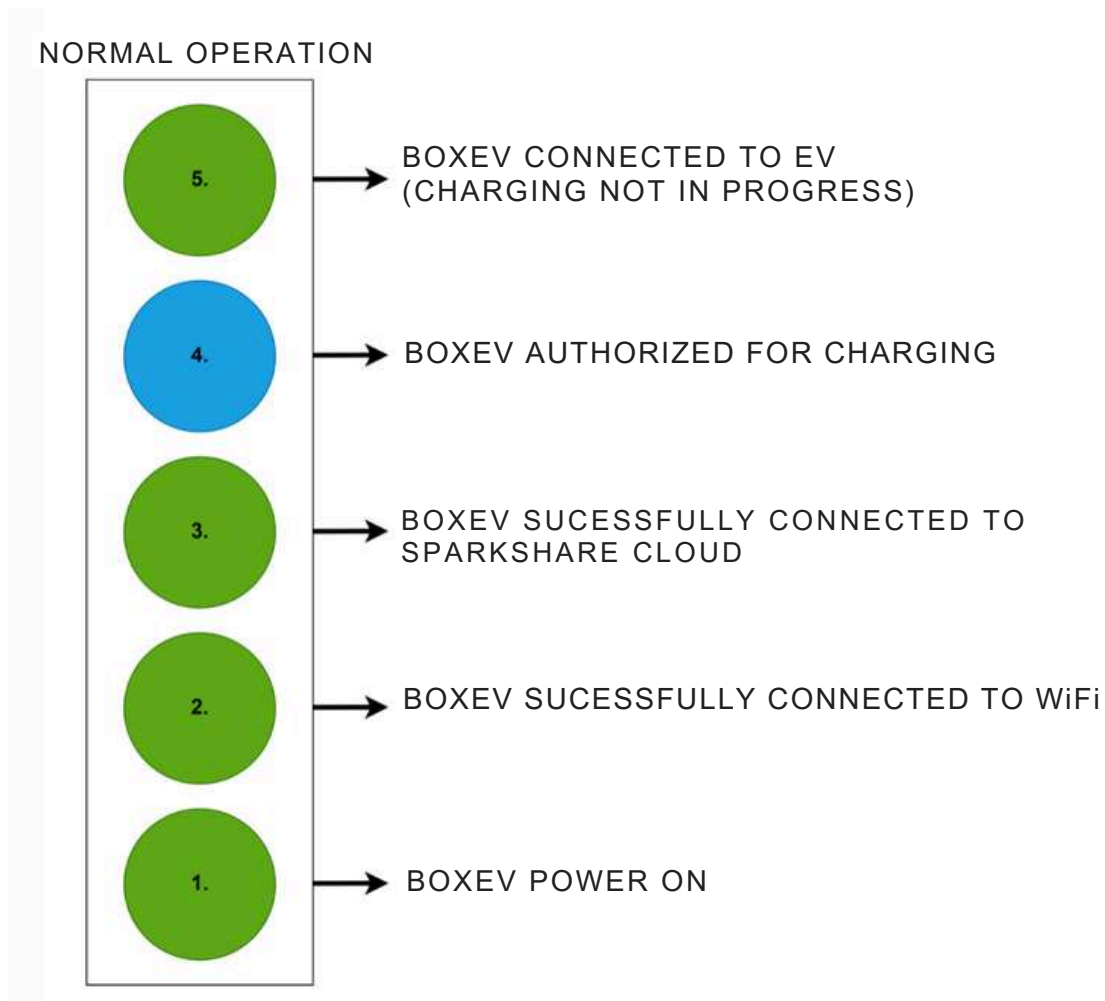To enable this mode of operation, you need to:
1. Install the BOXEV charger and turn on the device.
2. Download the SparkShare mobile app by scanning the QR code found in the installation brochure.
3. Create an account and connect to the device via Bluetooth.
4. Set up the device according to your preferences.
5. Remove the device from your account (pages 129-133 of this User Manual).

By doing this, all previously set parameters will remain saved, but the device will start charging when the vehicle is plugged in.
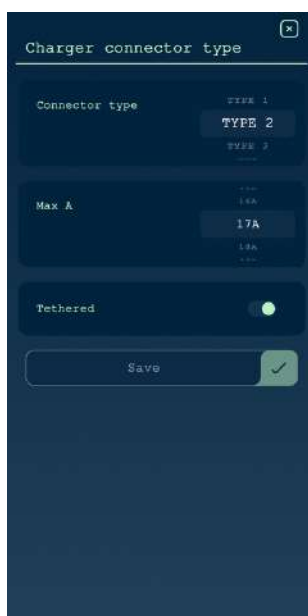

Functions that need to be enabled:
None of the previously mentioned, only under "Charger Connector Type" set the maximum current.

LED INDICATION DESCRIPTON

NORMAL OPERATION

5. → BOXEV CONNECTED TO EV
(CHARGING NOT IN PROGRESS)

4. → BOXEV AUTHORIZED FOR CHARGING

3. → BOXEV SUCESSFULLY CONNECTED TO
SPARKSHARE CLOUD

2. → BOXEV SUCESSFULLY CONNECTED TO WiFi

1. → BOXEV POWER ON

In the case of a software error during operation, LED number 4 will light up RED. After sending the data, LED number 4 will blink YELLOW for a few seconds before the device restarts.

(CHARGING IN PROGRESS)

RUNNING LEDS
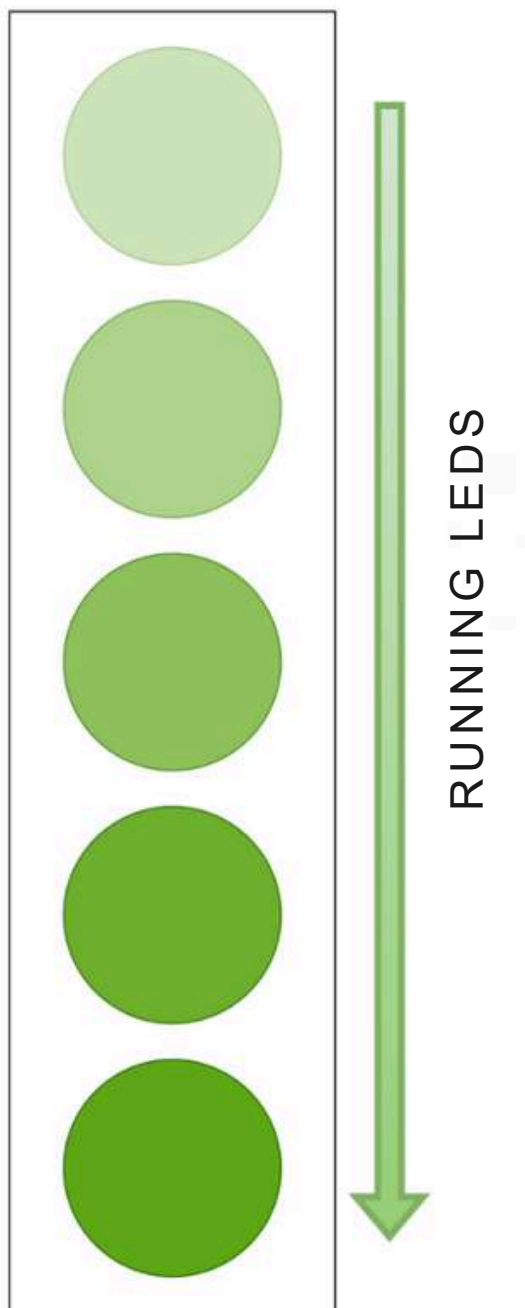
When the EV is charging, the LEDs light up one by one from 5 to 1 to simulate the flow of current towards the car (GREEN).

OTA UPDATE
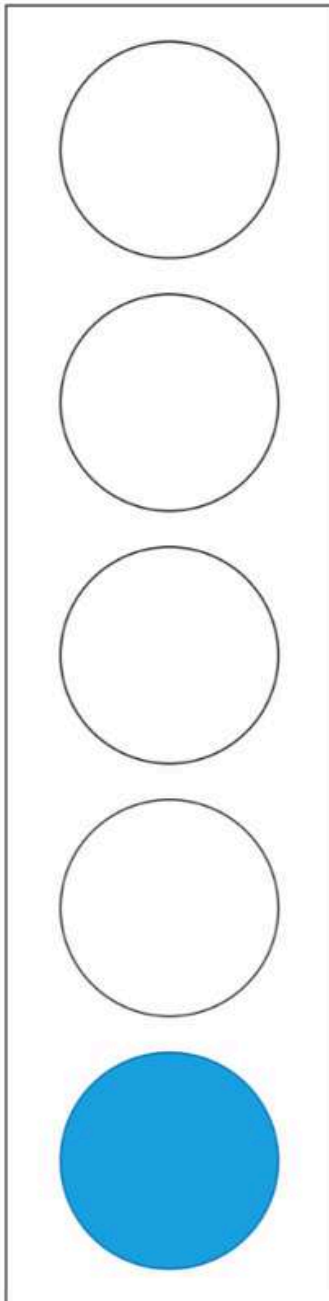
During OTA update, LED no. 1 turns BLUE. If the update is successful, LED no. 1 briefly turns GREEN and then BLUE again, followed by a reboot (restart).

If there is an error during the OTA update, LED no. 1 will alternate between BLUE and RED. It will return to GREEN as the device continues to operate.

TROUBLESHOOTING

FAULT DESCRIPTION	HOW WE SUGGEST YOU FIX IT
BOXEV turned off	Check the power circuit. If there has been no power outage, check the fuse. If the fuses are in the closed position, open the BOXEV and check for voltage at the input terminals using a voltmeter, multimeter, electrician's screwdriver, voltage tester, or another appropriate tool.
BOXEV too hot	The temperature alarm will be displayed in the mobile application. BOXEV will become operational once its temperature returns to a safe level.
Overvoltage/Undervoltage	The notification of high/low voltage will be displayed in the mobile application. BOXEV will not allow the charging process to begin until the power supply returns to the allowed voltage range.
Issues during the initial installation	It is necessary to disconnect SparkShareBoxEV from the mobile application via the mobile app and then go through the device activation process again.

MAINTENANCE

To ensure the long-term stable functionality of BOXEV, it should be regularly maintained (recommended at least once a month) according to environmental conditions.

The equipment should be maintained by qualified personnel.

1. Verify that the equipment is properly grounded and secure.
2. Check for potential safety hazards in the vicinity of BOXEV.
3. Ensure that there are no sources of high temperatures, corrosion, or flammable and explosive substances near BOXEV.
4. Inspect the input terminals of BOXEV to ensure a proper connection with the incoming cable and check for any irregularities.

Please adhere to the safety instructions; otherwise, there may be **a risk to life, injury, and damage to the device**, for which SparkShare or the supplier does not take responsibility.

Please sort and recycle your waste according to local recycling guidelines.

INSTRUCTIONS FOR

SPARK SHARE

MOBILE APP

CONTENT

DOWNLOADING

Download the mobile application available in the Apple App Store

and Google Play Store.

REGISTRATION

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

Activation

Enter your mobile phone number

+385 ˅

SPARK SHARE

Continue

Enter your mobile phone number

Select "Continue"

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

Activation

Enter the verification code sent by SMS

+385 99 733 4594

— — — — — — —

26

SPARK SHARE

Continue ›

You need to enter the received code here

Select "Continue"

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

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

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.**
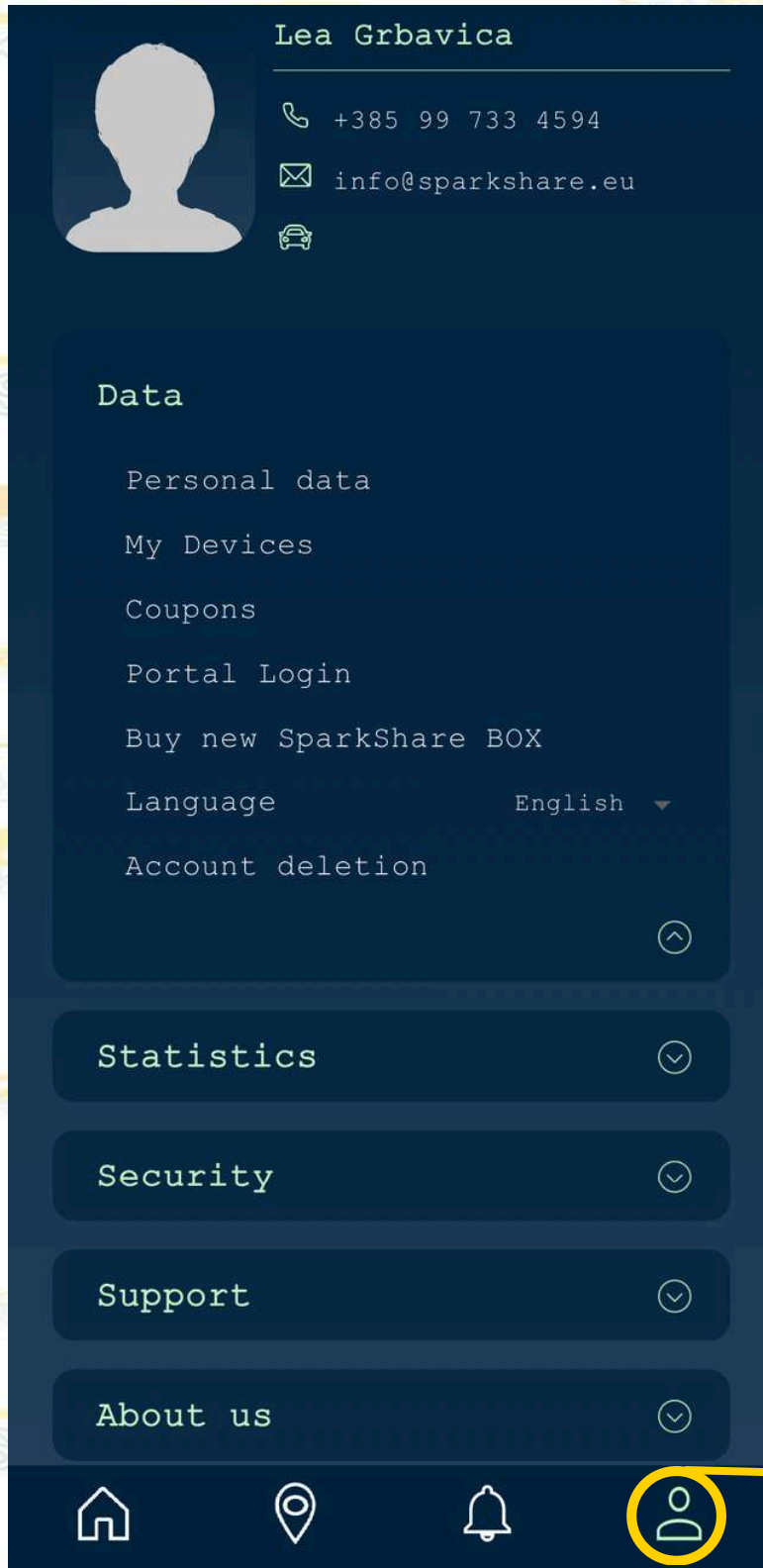
Lea Grbavica

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✉ info@sparkshare.eu

🚗

Data

Personal data

My Devices

Coupons

Portal Login

Buy new SparkShare BOX

Language   English ▼

Account deletion

⌃

Statistics   ⌄

Security   ⌄

Support   ⌄

About us   ⌄

🏠   📍   🔔   👤

On the home page, select "Profile"

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✉ info@sparkshare.eu

🚗

Data

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Portal Login

Buy new SparkShare BOX

Language   English ▾

Account deletion

⌃
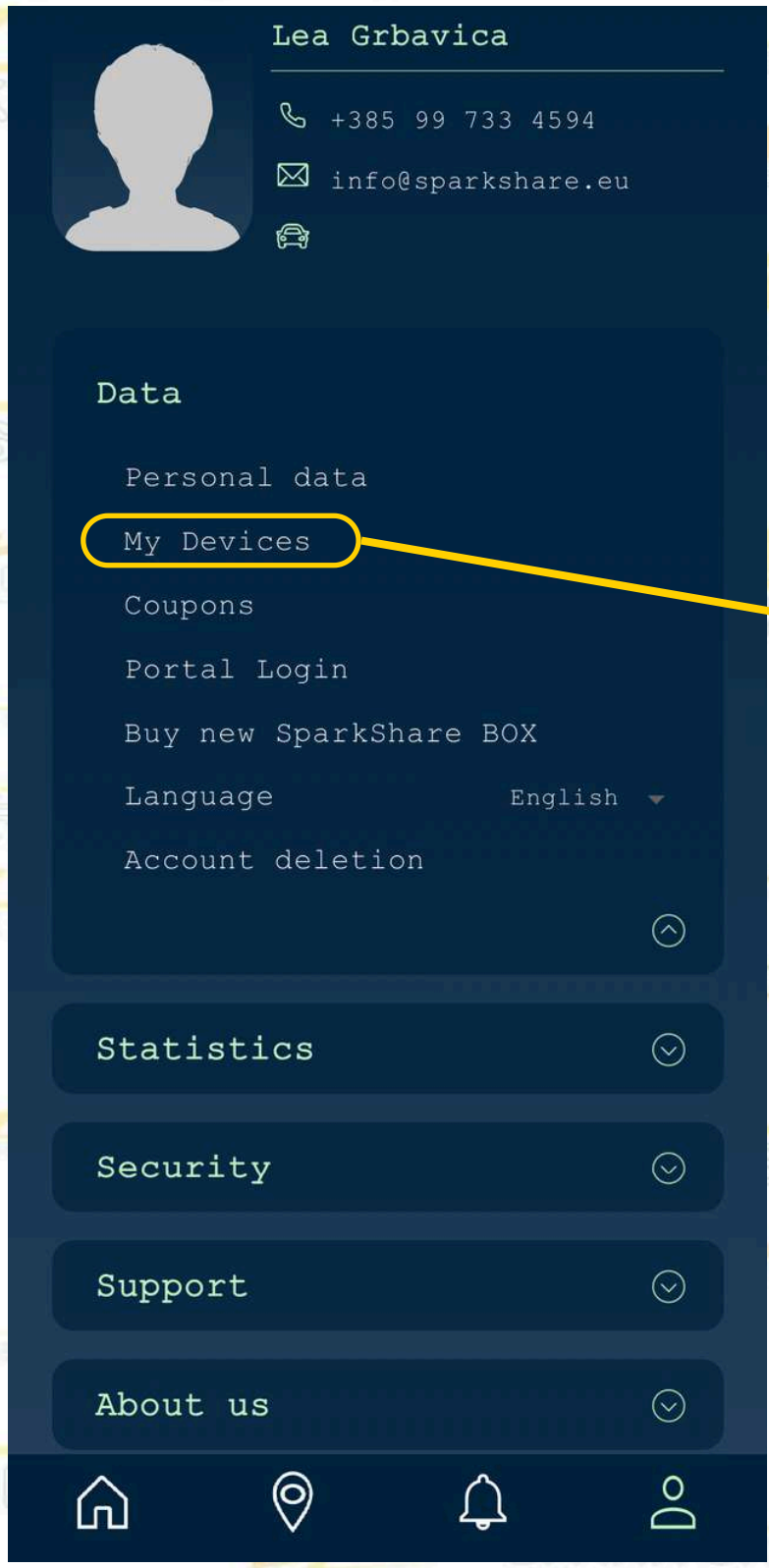
Statistics   ⌄

Security   ⌄

Support   ⌄

About us   ⌄

Select
'My Devices'

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

My Devices

048C6471   Available ⬤

Stanka Vraza 7, 31000 Osijek
Total kW/WTC   0.00/0.00
Temp. 33°C   FW ver. 1.6.19

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

Add New |

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.

Adding Device

To connect a device, check in **settings**
of your phone if you have Bluetooth and
Wi-Fi connection enabled.

Scan the QR code of the device or search
for available devices on Bluetooth
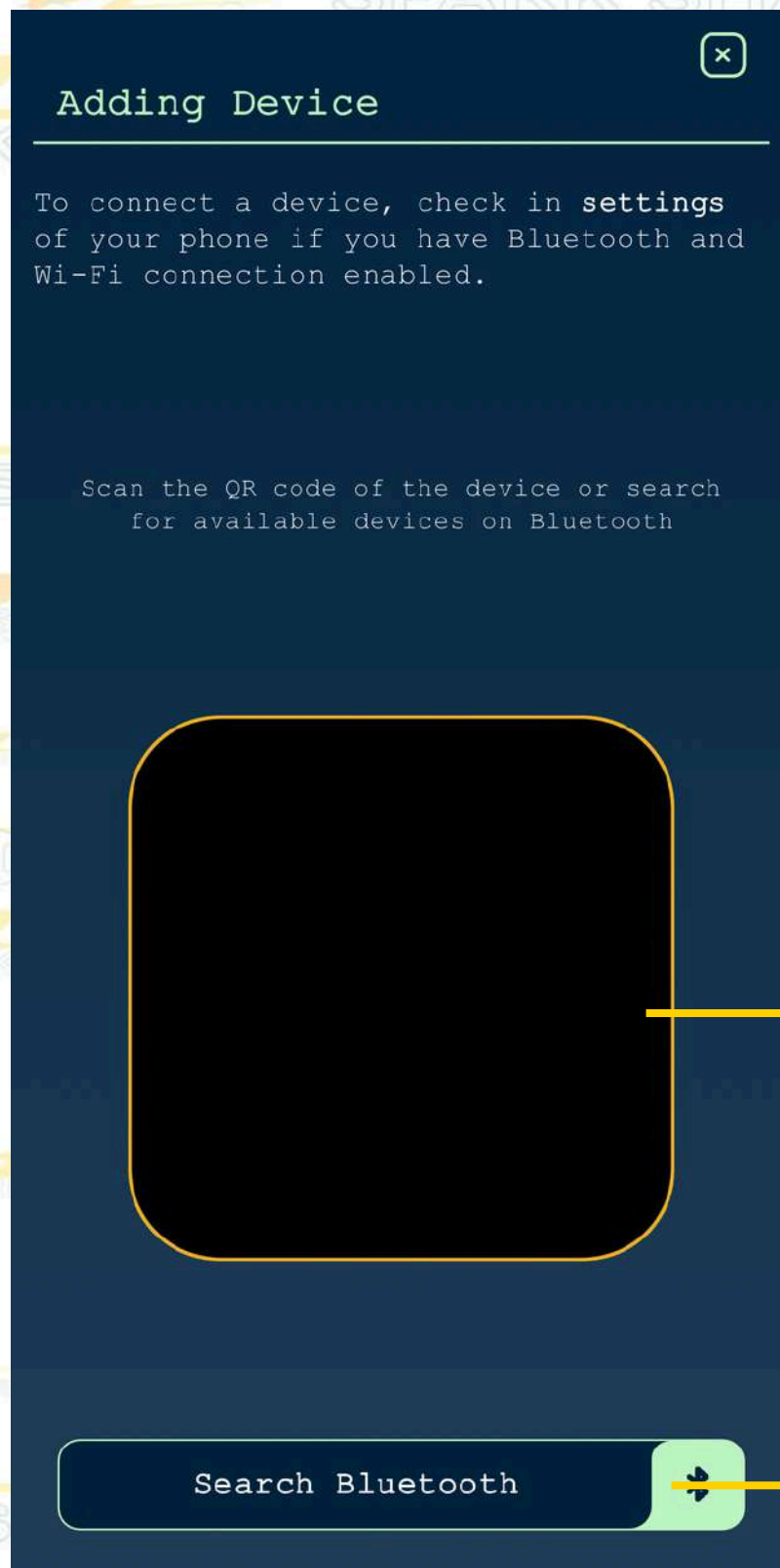
You can add a device by scanning the QR code

Search Bluetooth

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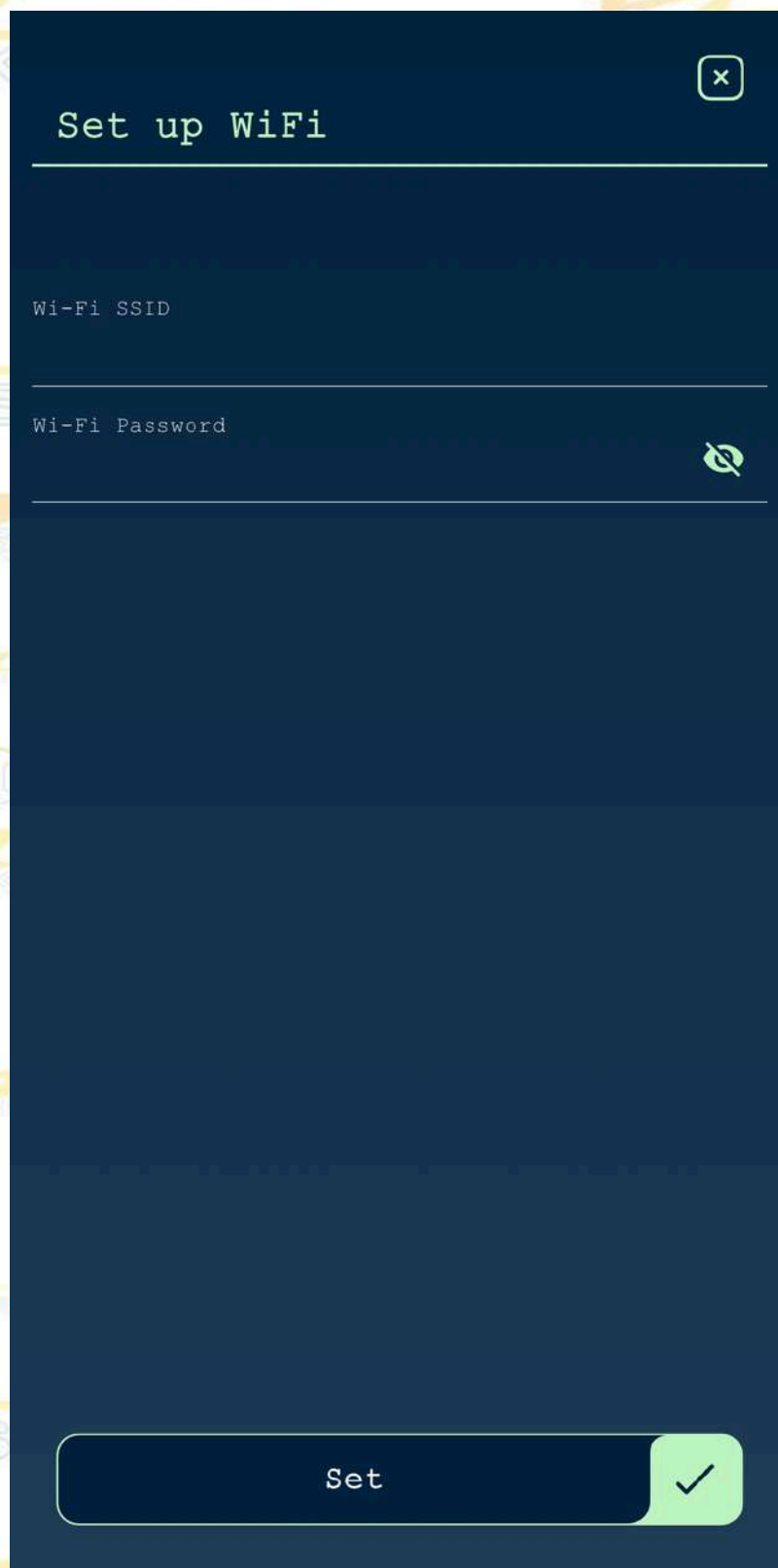
If you select "Search Bluetooth," the following window will appear.

Adding Device

Devices found:

SPARKSHARE_048C6471
CA97FB63-8FA8-E182-0F3C-47B885E93CB8
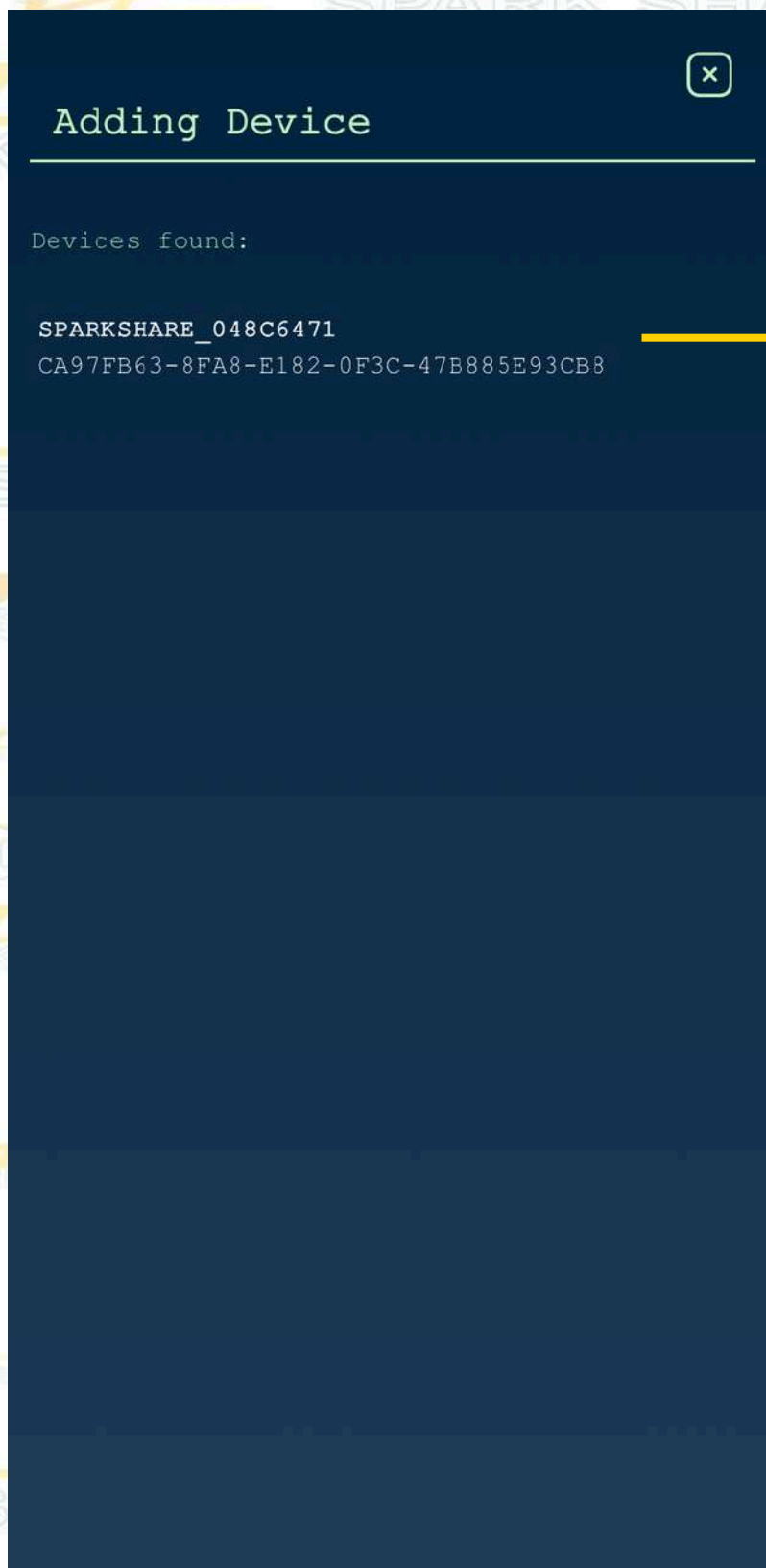
Select the device you want to add to your user account

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.

Set up WiFi

Wi-Fi SSID

Wi-Fi Password

Set

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.

Device data

Enter device description 048C6471 which will be visible to users of the SparkShare network.

Active

Set up WiFi

Location

Charger connector type

Description

In-person payment

Working hours/Price

Additional services

Contact information

Add Pictures

Save configuration

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:
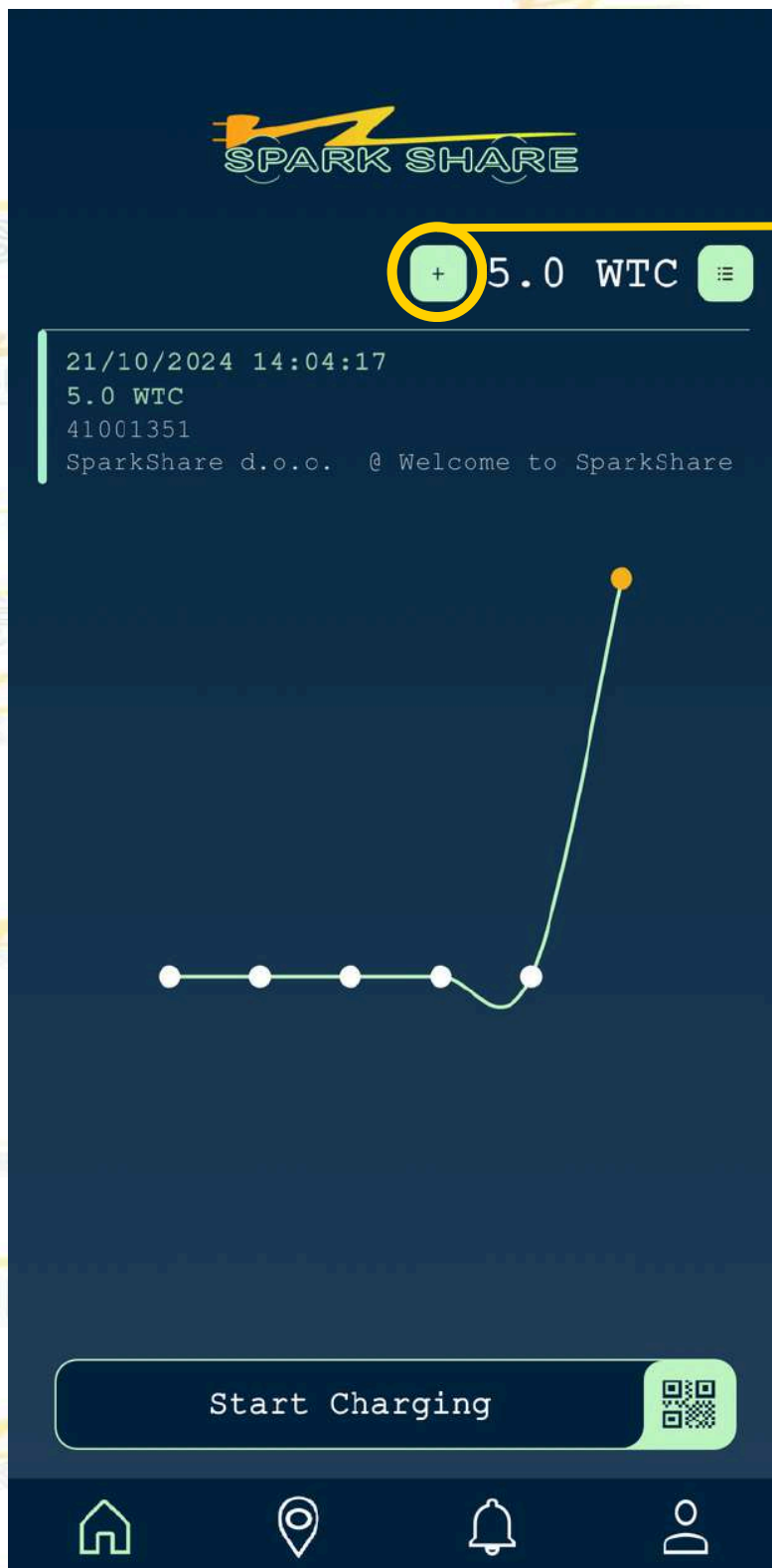
On the home page, select the circled icon

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

Account Top-up

1 EUR = 3.98 WTC

EUR

WTC

Card number

Expiry date   CVV

Save card

Confirm purchase

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

Enter the card details from which the payment will be made

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:
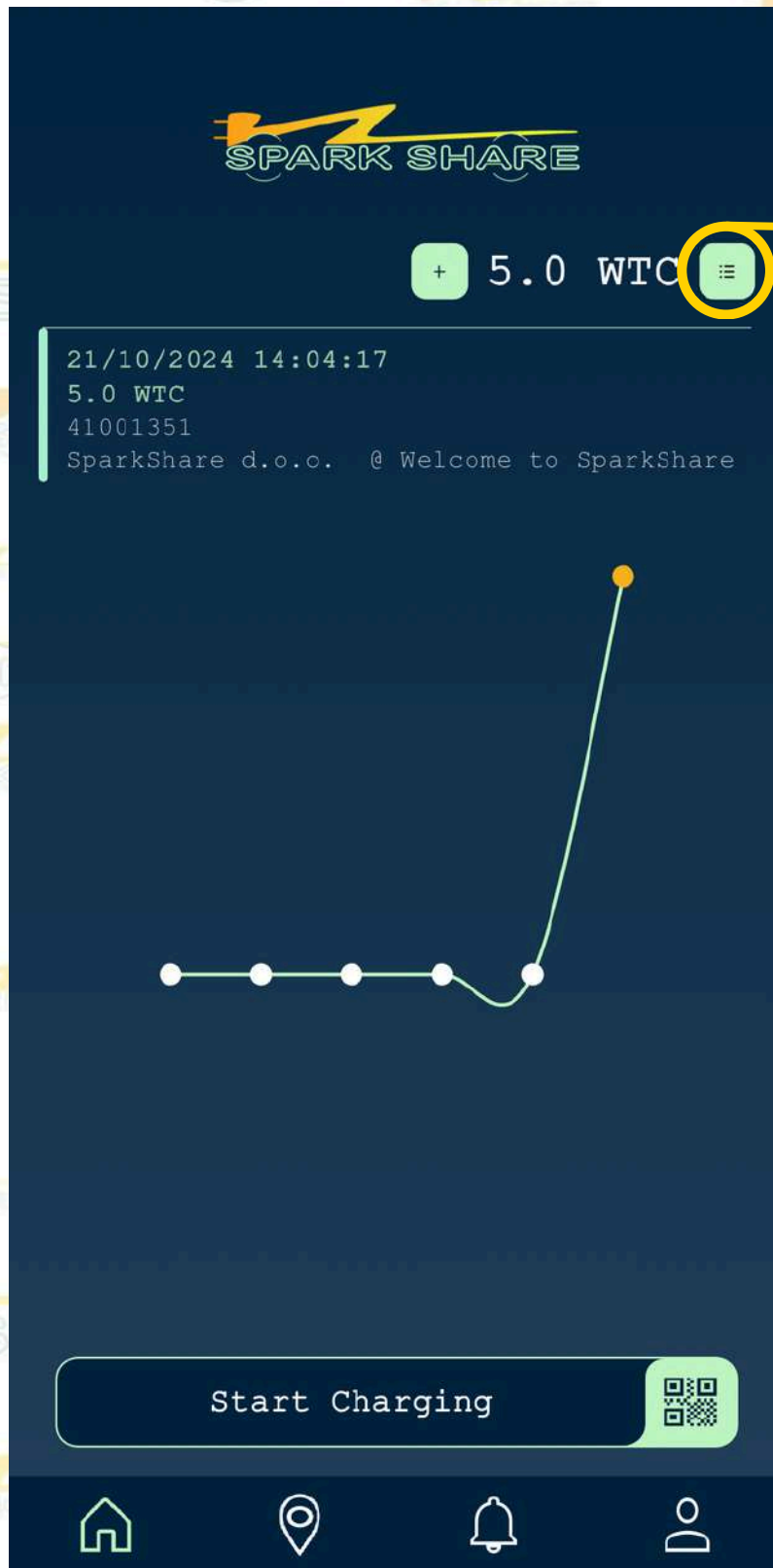
On the home page, select the circled icon

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

WTC Transactions ⊠ •••

21/10/2024 14:04:17 | 5.0 WTC
5.0 WTC
41001351
SparkShare d.o.o. @ Welcome to SparkShare
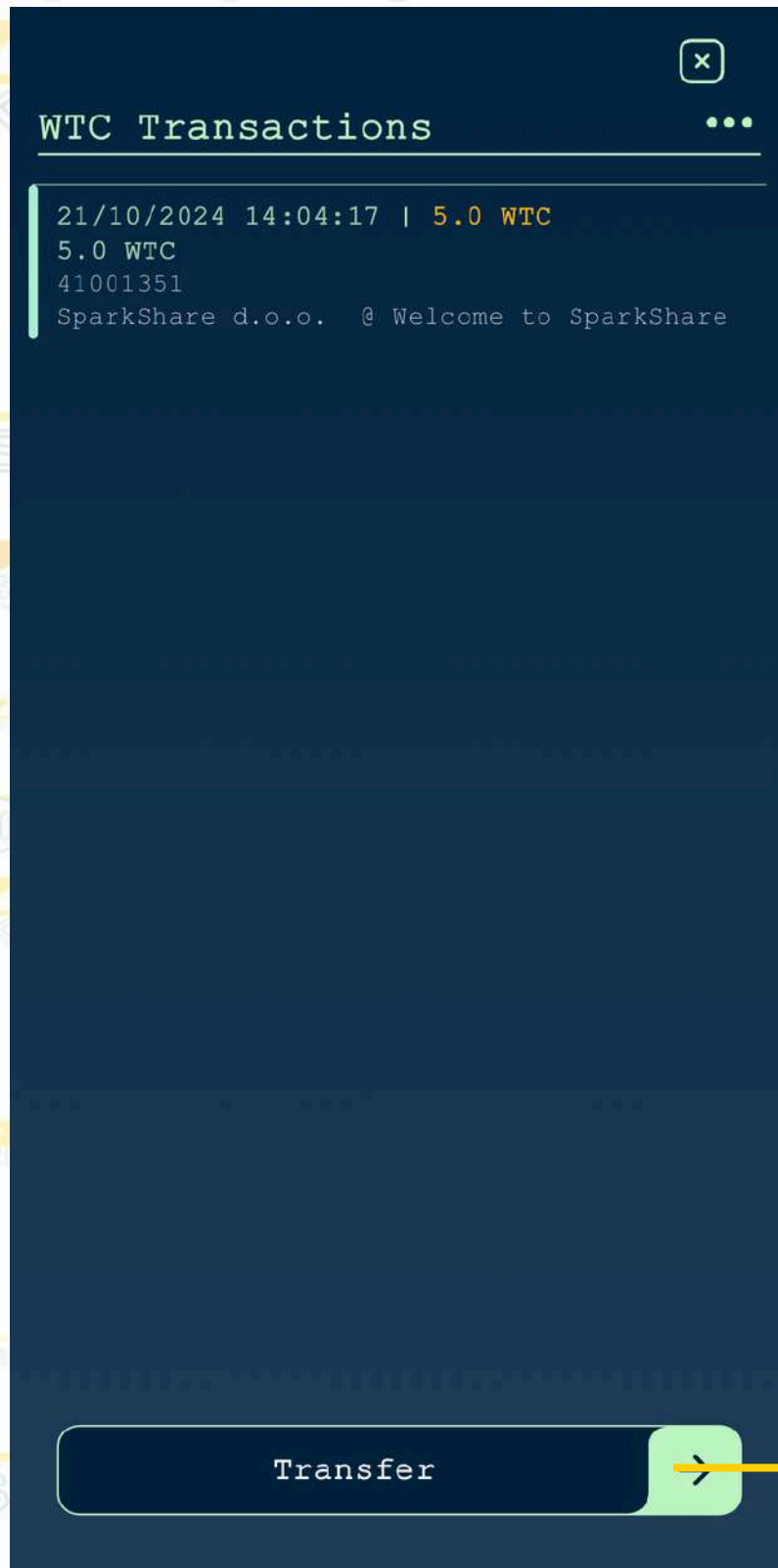
Transfer →

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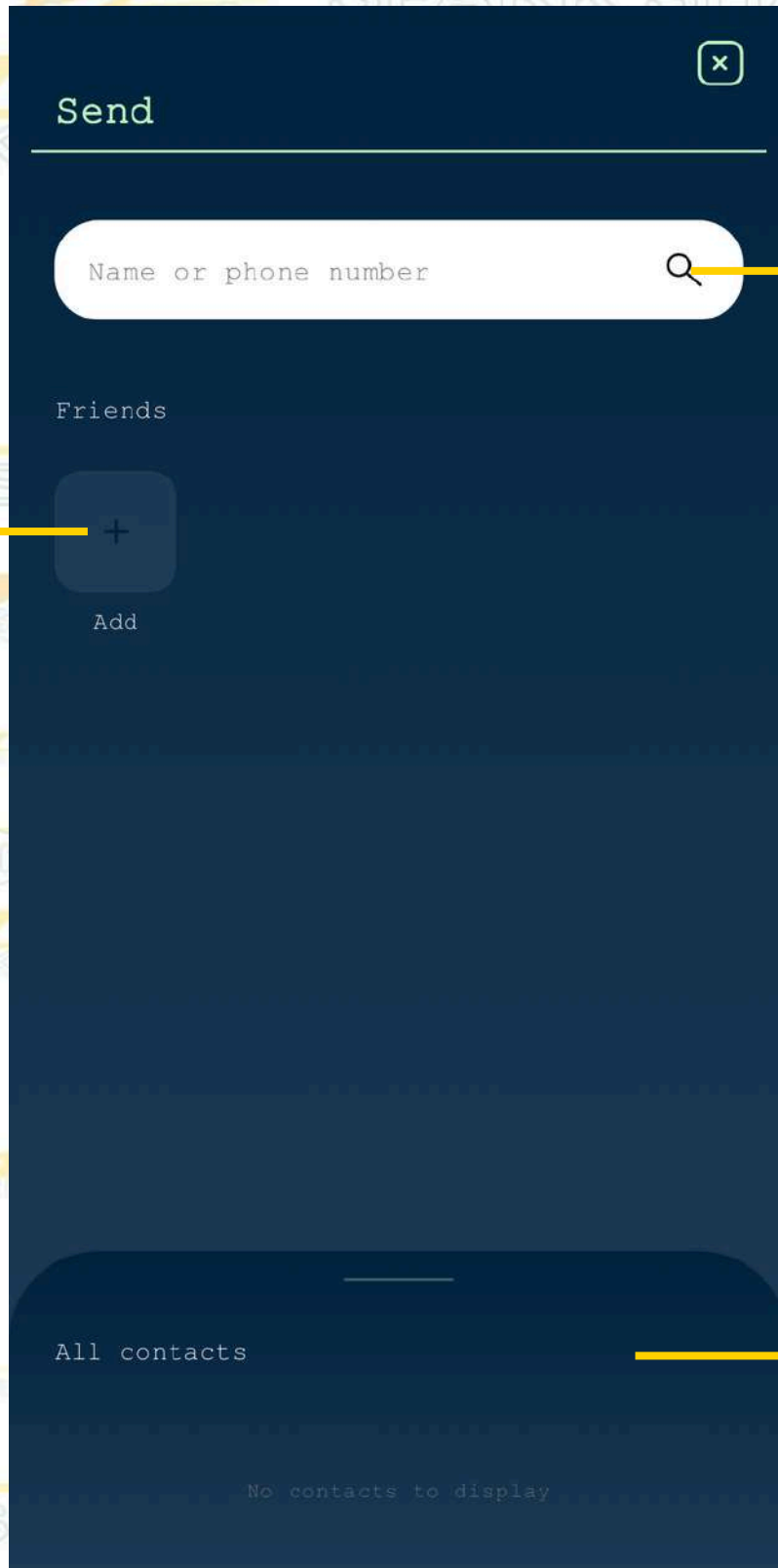
In the designated area, you can search for contacts by name or phone number

Send

Name or phone number 🔍

Friends

+

Add

All contacts

No contacts to display

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 the transfer, the following window will open:

In the designated area, enter the amount of WTC tokens you wish to transfer

If you wish, you can include a message with the transfer

After entering the desired amount and optionally a message, press "Transfer"

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 (explained in Chapter 2) and deposit funds into your SparkShare account (Chapter 4)
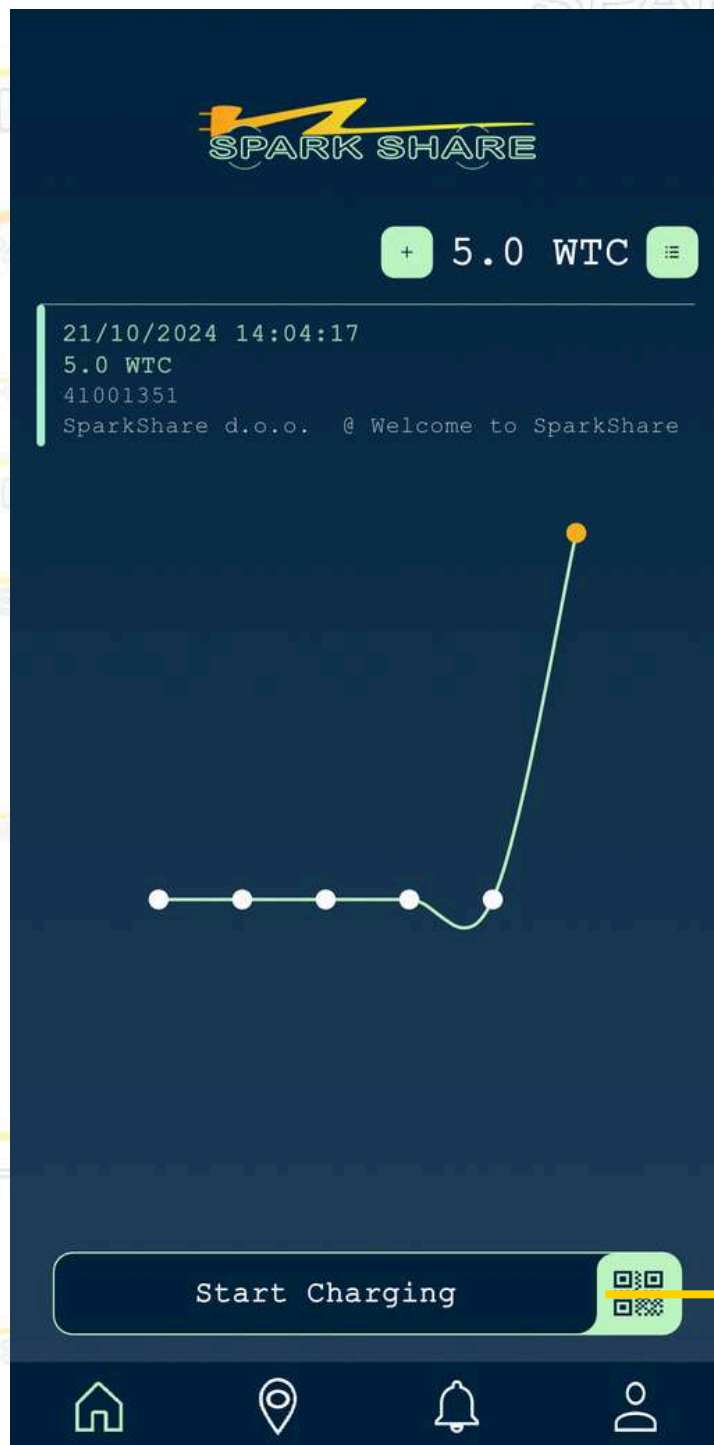
To start charging, you need to select "Start Charging" on the "Homepage"

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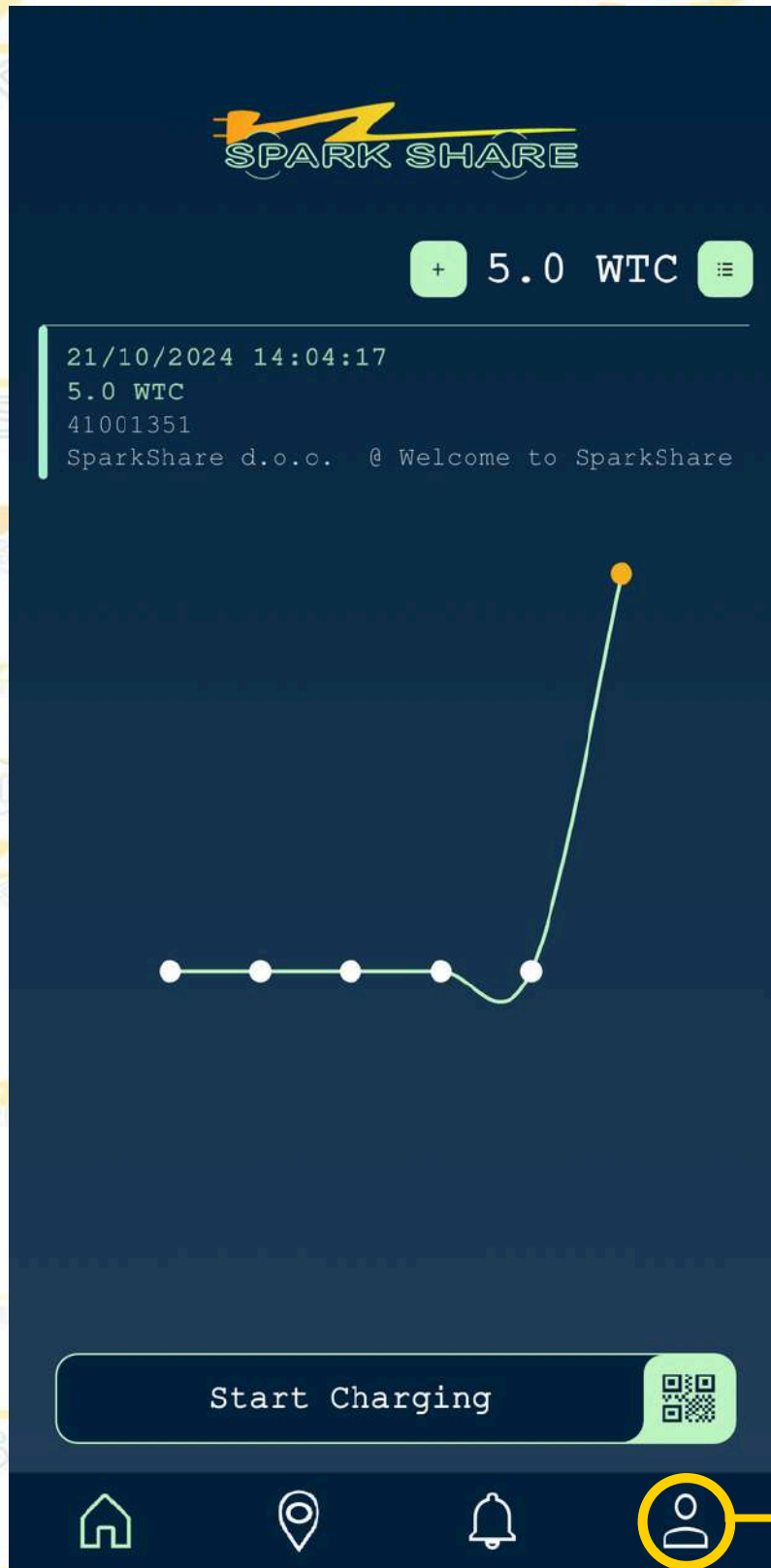
After selecting "Start charging," a window will open where you need to scan the QR code of the charger, after which the charging will begin

DEVICE DEACTIVATION

On the home page, select 'Profile'
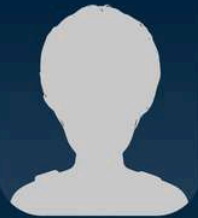
Lea Grbavica

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✉ info@sparkshare.eu

🚗

Data

Personal data

My Devices

Coupons

Portal Login

Buy new SparkShare BOX

Language   English ▾

Account deletion

⌃

Statistics   ⌄

Security   ⌄

Support   ⌄

About us   ⌄

Select "My Devices"

In the section "My Devices," all devices connected to the user account will be displayed.

My Devices

048C6471   Available ●

Stanka Vraza 7, 31000 Osijek

Total kW/WTC   0.00/0.00

Temp. -   FW ver. 1.6.19

Add New   +

Select the device on which you want to take specific actions

Device Usage

048C6471

WTC ◉   kWh ○

0.1

12/23 01/24 02/24 03/24 04/24 05/24 06/24 07/24 08/24 09/24 10/24 11/24

To deactivate the selected device, choose the circled icon

Device deactivation

048C6471

Stanka Vraza 7, 31000 Osijek

Available

Online status

Total kW/WTC 0.0/0.0

!

Choose whether you want to only deactivate
the device from your user account, delete the
device configuration, or reset the device to
factory settings and deactivate it from your
account.

Remove from Account 🗑

Remove and delete data 🗑

Delete configuration 🗑

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.

Device deactivation

[×]

048C6471

Stanka Vraza 7, 31000 Osijek

Available

Online status ⬤

Total kW/WTC   0.0/0.0

!

Choose whether you want to only deactivate
the device from your user account, delete the
device configuration, or reset the device to
factory settings and deactivate it from your
account.

Remove from Account 🗑

Remove and delete data 🗑

Delete configuration 🗑

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.

Device deactivation

048C6471

Stanka Vraza 7, 31000 Osijek

Available

Online status

Total kW/WTC   0.0/0.0

!

Choose whether you want to only deactivate
the device from your user account, delete the
device configuration, or reset the device to
factory settings and deactivate it from your
account.

Remove from Account 🗑

Remove and delete data 🗑

Delete configuration 🗑

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.
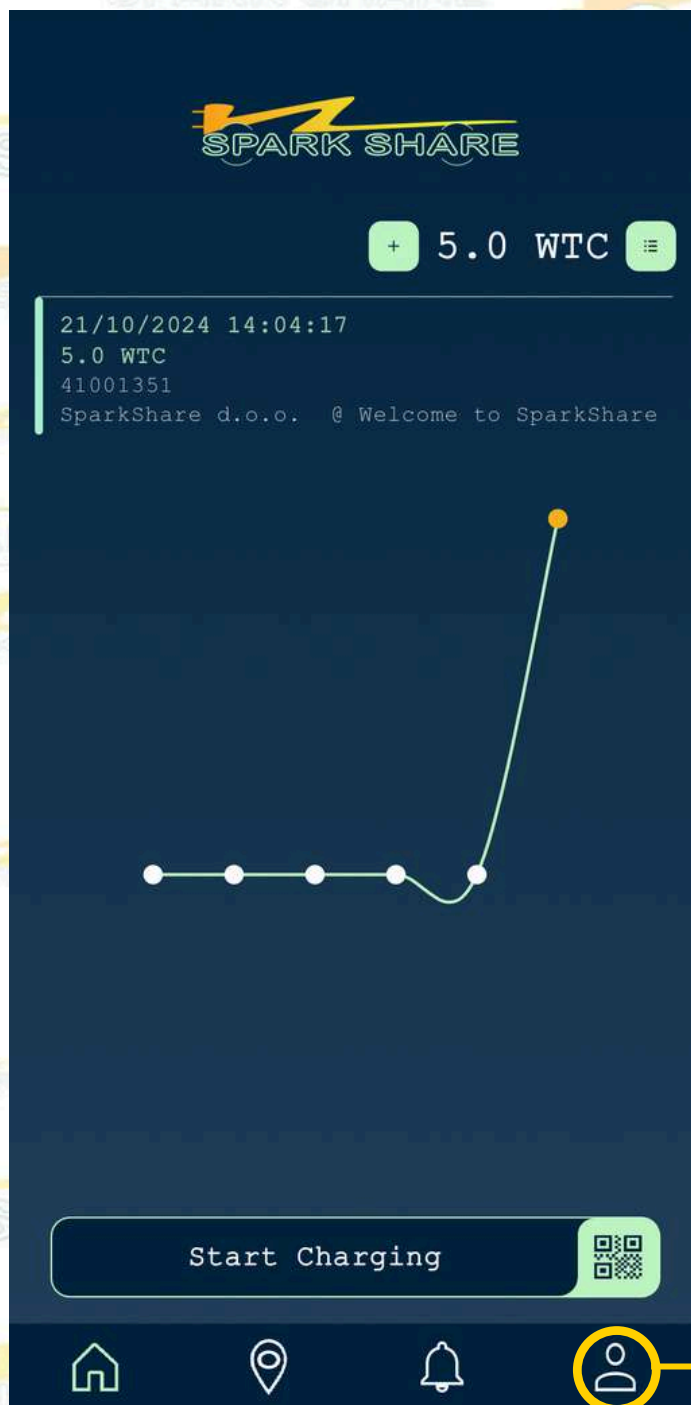
On the home page, select 'Profile'

Lea Grbavica

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✉ info@sparkshare.eu

🚗

Data

Personal data

My Devices

Coupons

Portal Login

Buy new SparkShare BOX

Language   English ▼

Account deletion

⌃

Statistics   ⌄

Security   ⌄

Support   ⌄

About us   ⌄

🏠   📍   🔔   👤

In the "Profile," select "Account deletion"

Account deletion

Account name:
Lea Grbavica

Devices:
048C6471

WTC balance:
5.1

!

By selecting the option to delete your
account, your user account will be
removed, and all your devices will be
deleted and deactivated, along with any
remaining WTC balance on your account.

Delete account 🗑

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

CONTENT

LOG IN TO THE SS PORTAL

The login to the SparkShare Portal is done through the SparkShare mobile app.
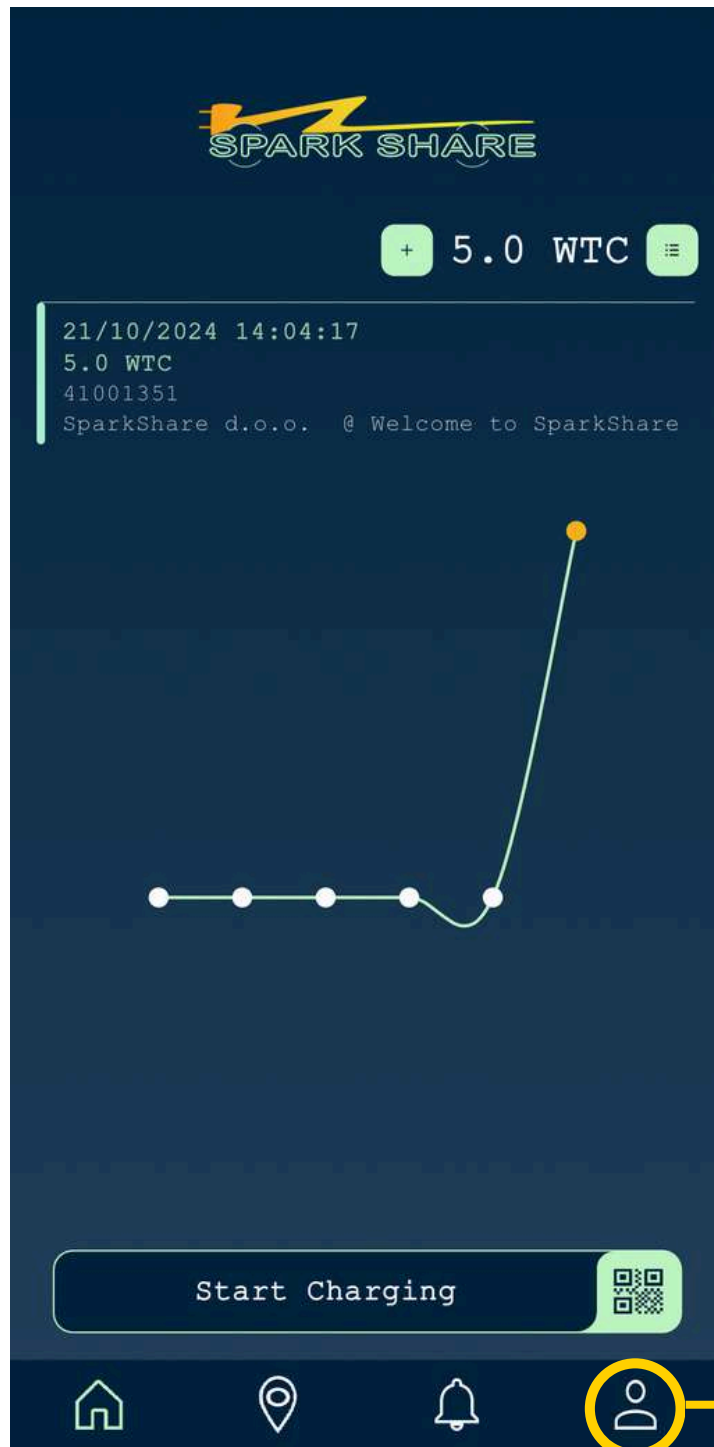
On the "Home Page", select "Profile"

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✉ info@sparkshare.eu

🚗

Data

Personal data

My Devices

Coupons

Portal Login

Buy new SparkShare BOX

Language   English ▾

Account deletion

⌃

Statistics   ⌄

Security   ⌄

Support   ⌄

About us   ⌄

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
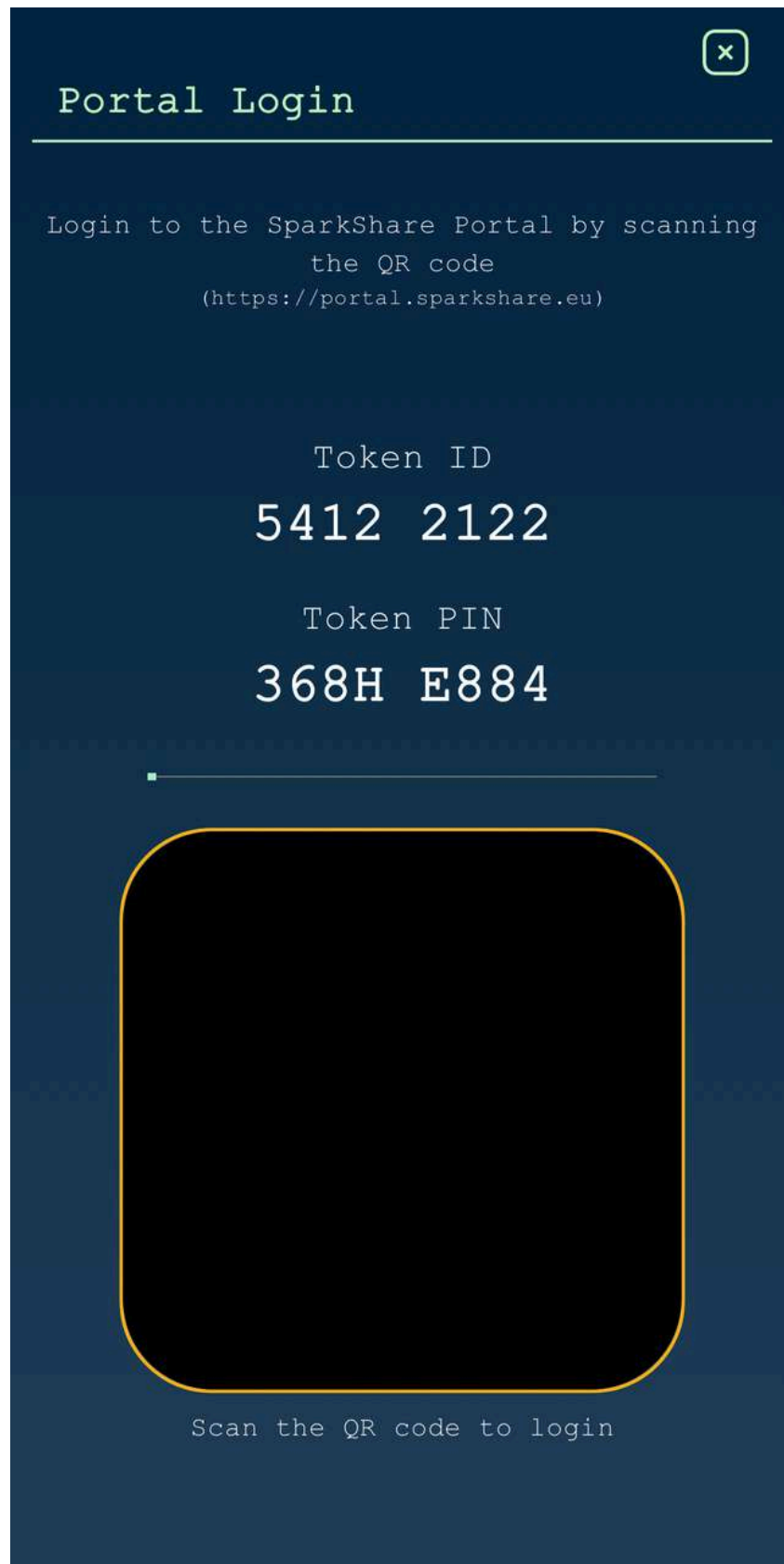
To find the QR code, visit the SparkShare Portal website (portal.sparkshare.eu).
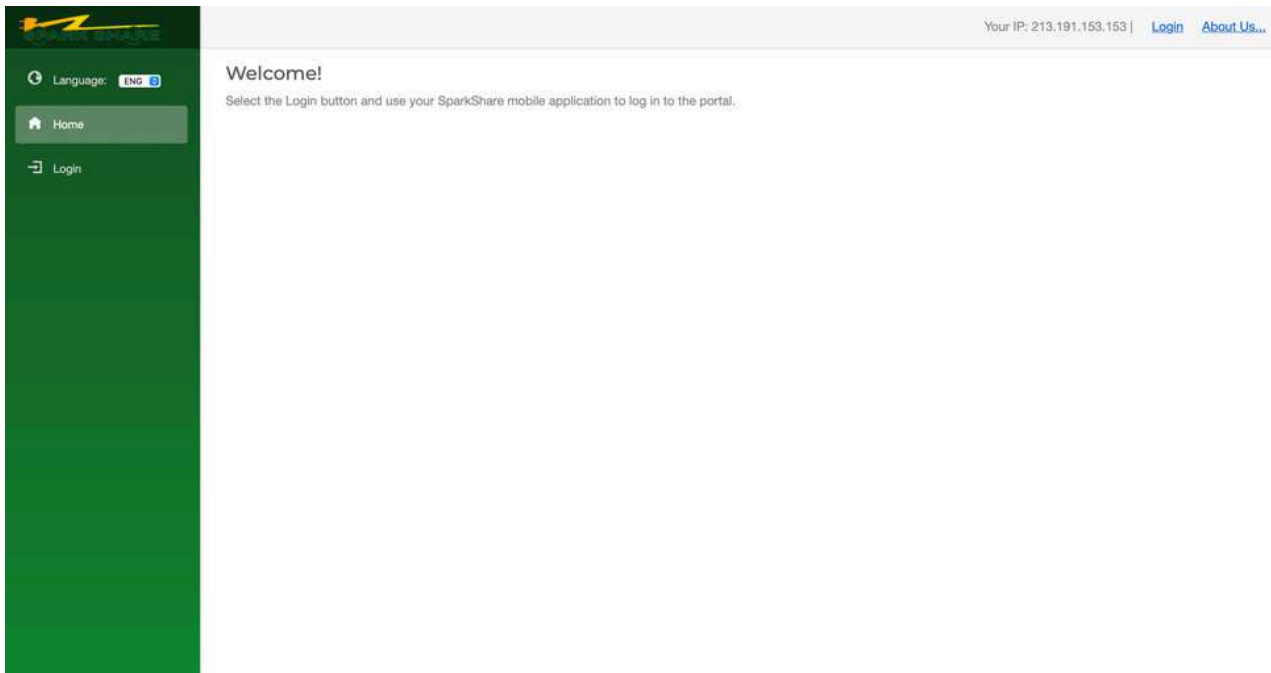
On the homepage, select the "Login" option in the top right corner.
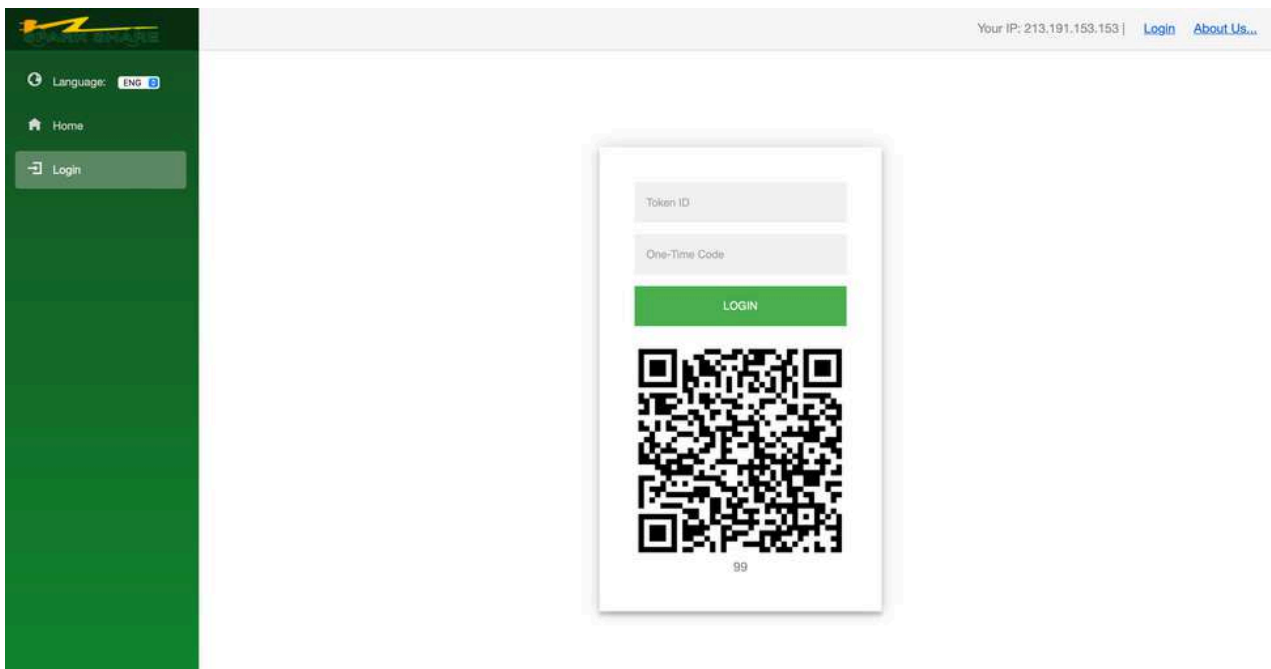
Scan the QR code using the mobile app.

SPARKSHARE BOX

INFORMATION

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.
-

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.

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 ACTIONS

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.
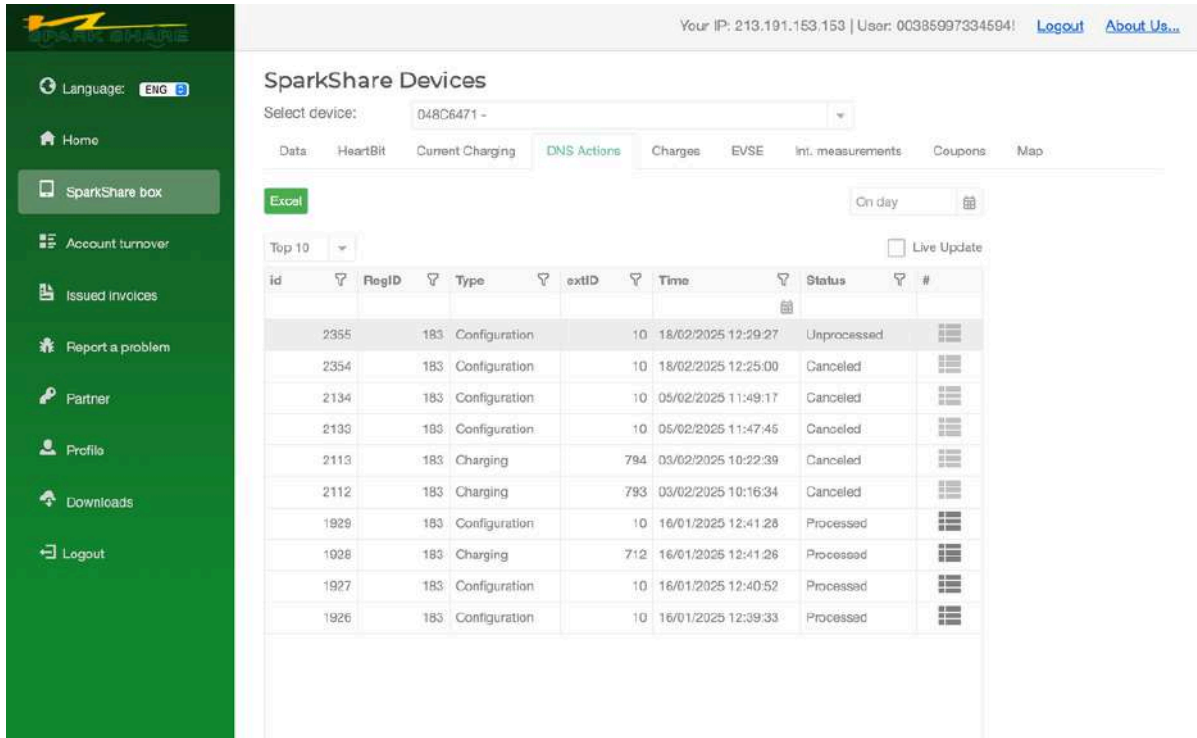
Example of a JSON string:
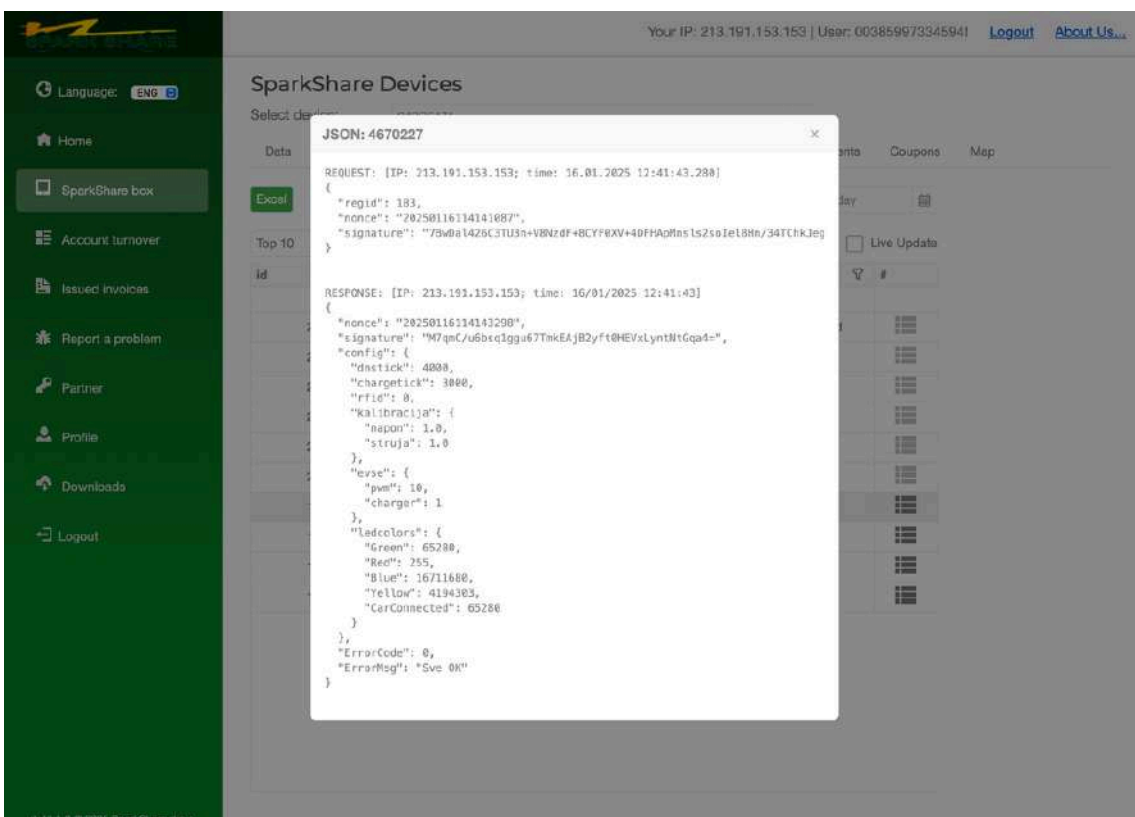
CHARGES

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

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 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	164		☰
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 14:36:31	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	3335	3366	3350	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		☰

Language: ENG ▼

🌐 Home

☐ SparkShare box

≣ Account turnover

📄 Issued invoices

✱ Report a problem

🔑 Partner

👤 Profile

☁ Downloads

⟵ Logout

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.

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 ▽	Vrijeme ▽	Voltage			Current			Total E. ▽	Temp. ▽	Freq. ▽	EVSE ▽	Mem
		U1 ▽	U2 ▽	U3 ▽	I1 ▽	I2 ▽	I3 ▽					Current
	🗓											
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
7105815	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	242.86	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

Language: ENG ▼

🏠 Home

▢ SparkShare box

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COUPONS

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


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.
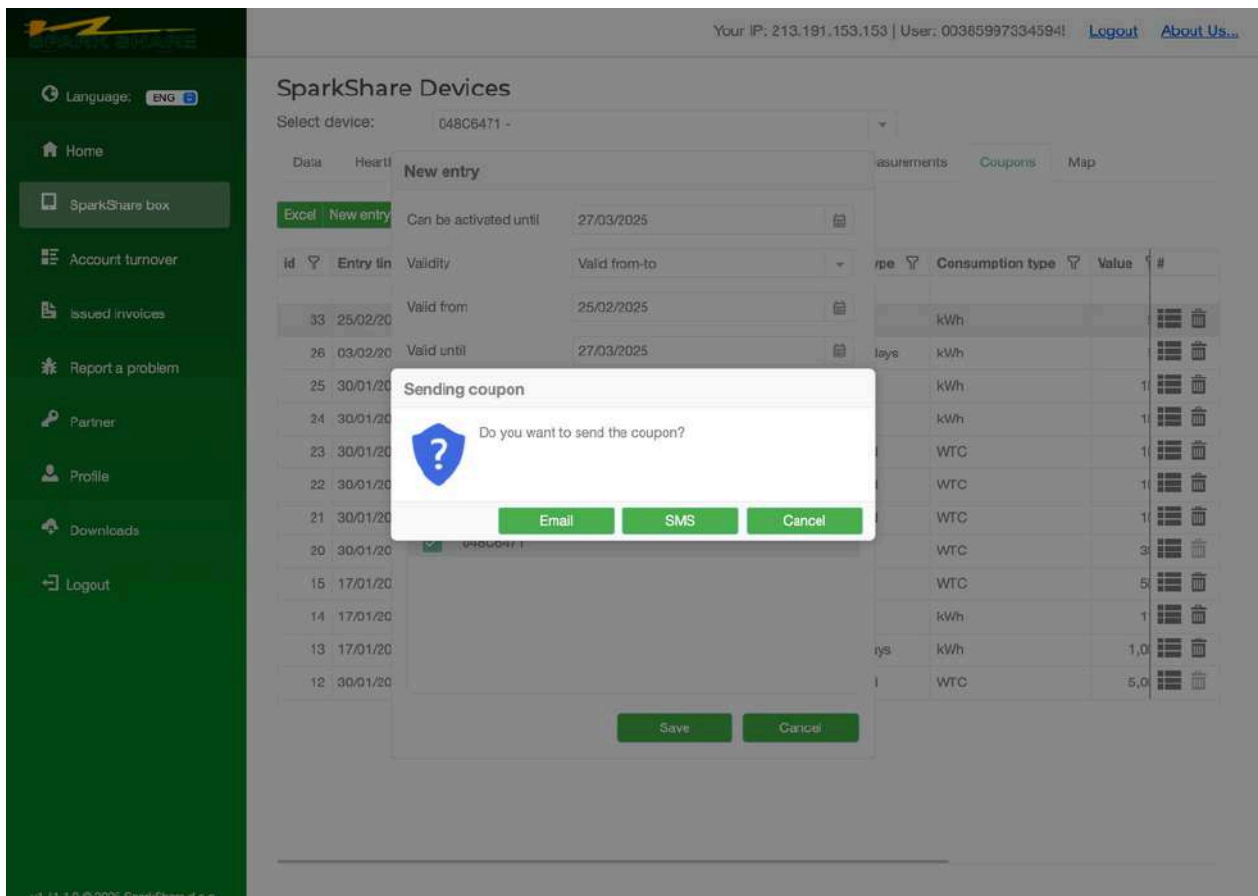
The person you are sending the coupon to must have the SparkShare mobile app. They will receive a notification about the coupon via email/SMS, depending on your selection, and the coupon will be visible and active in the mobile app under the "Coupons" option.
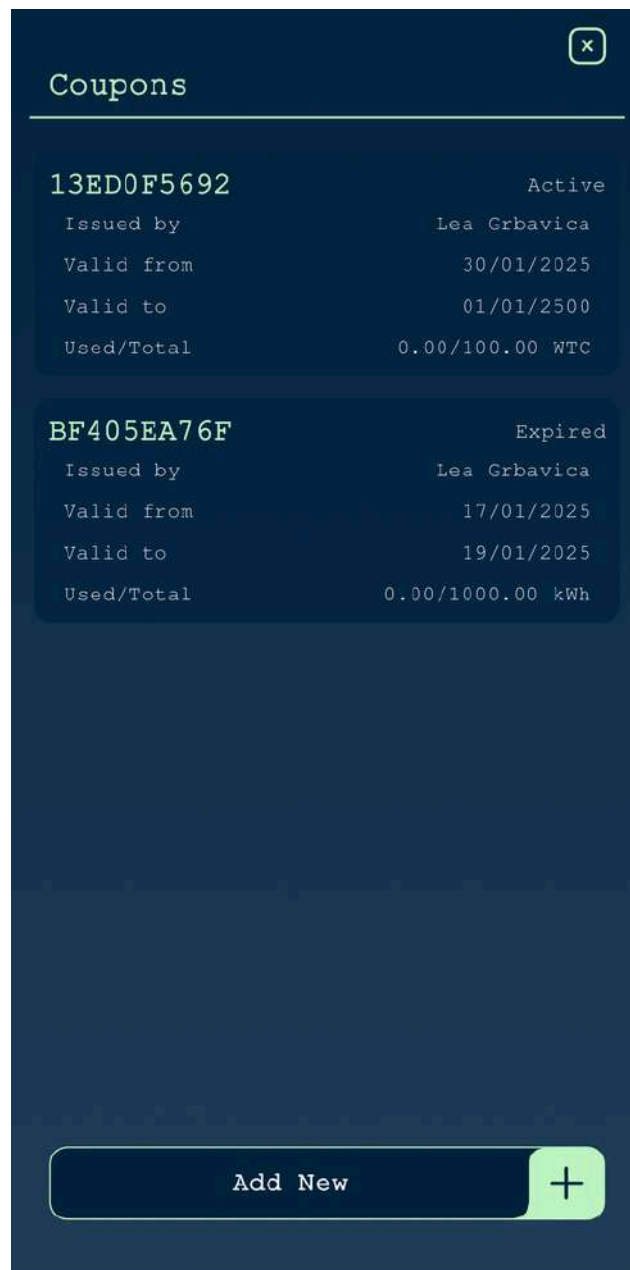
The coupon can also be activated by selecting "Add New," where you will need to scan the coupon's QR code.

If you want to issue a coupon, but not to a specific person, the process is the same. Select "New Entry," enter the required information, and when choosing "Send Coupon," select "Cancel."
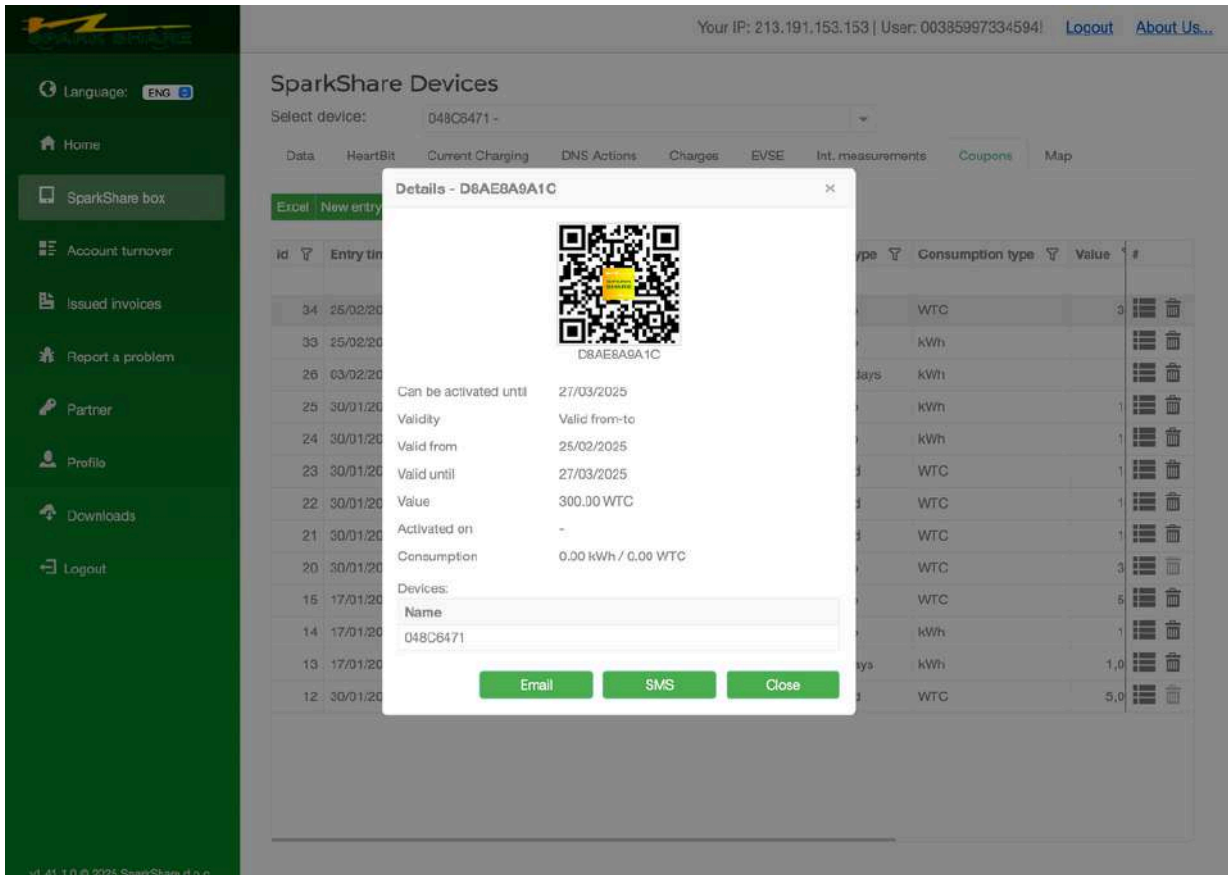
Such a coupon is activated through the mobile app by selecting "Coupons" – "Add New" and scanning the coupon's QR code.

MAP

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

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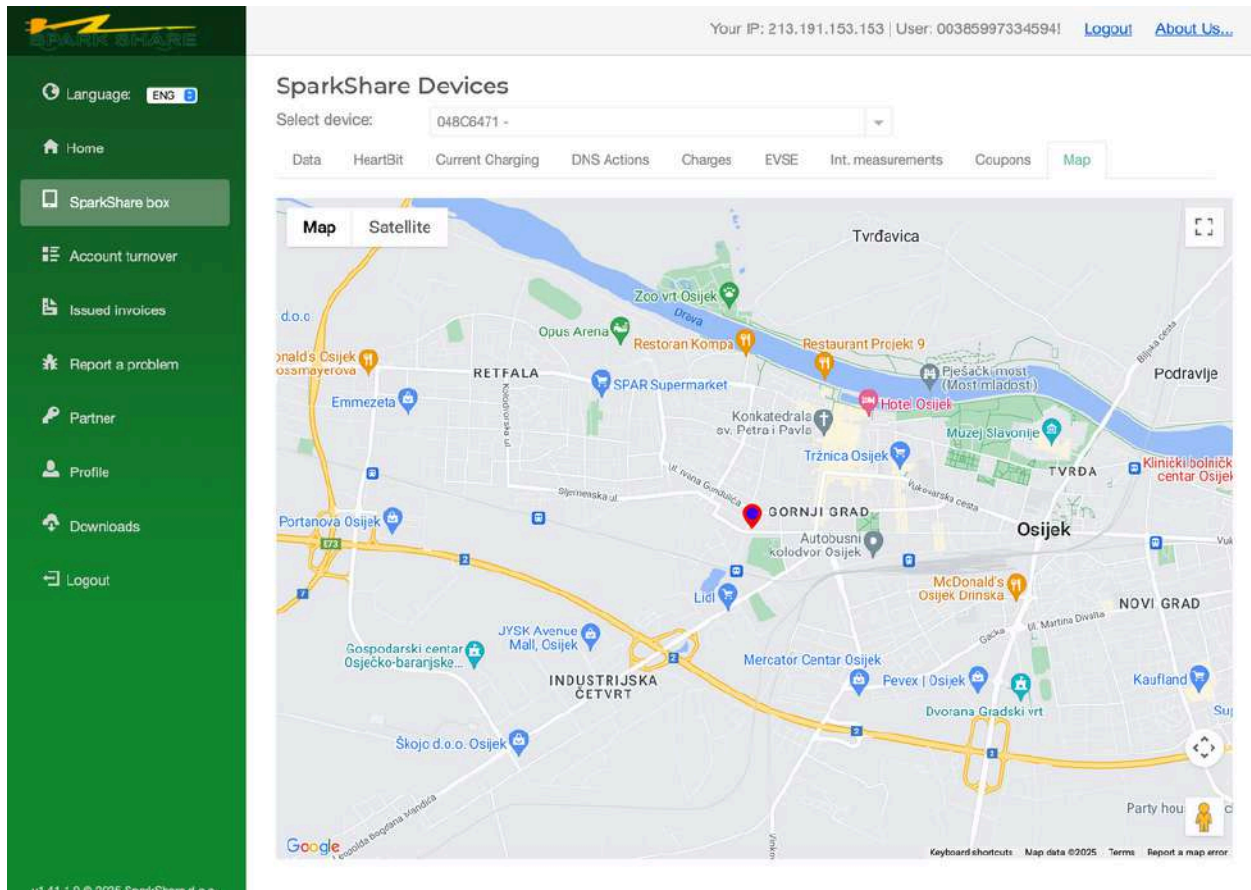
ACCOUNT TRANSACTIONS

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.
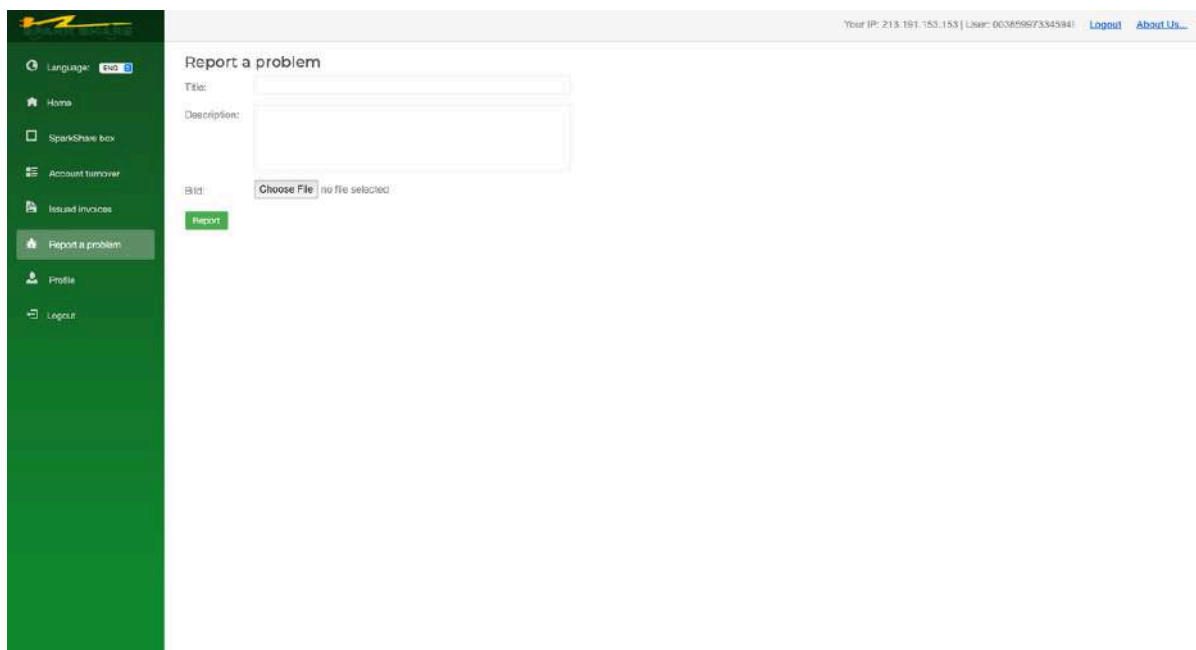
ISSUED INVOICES

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.
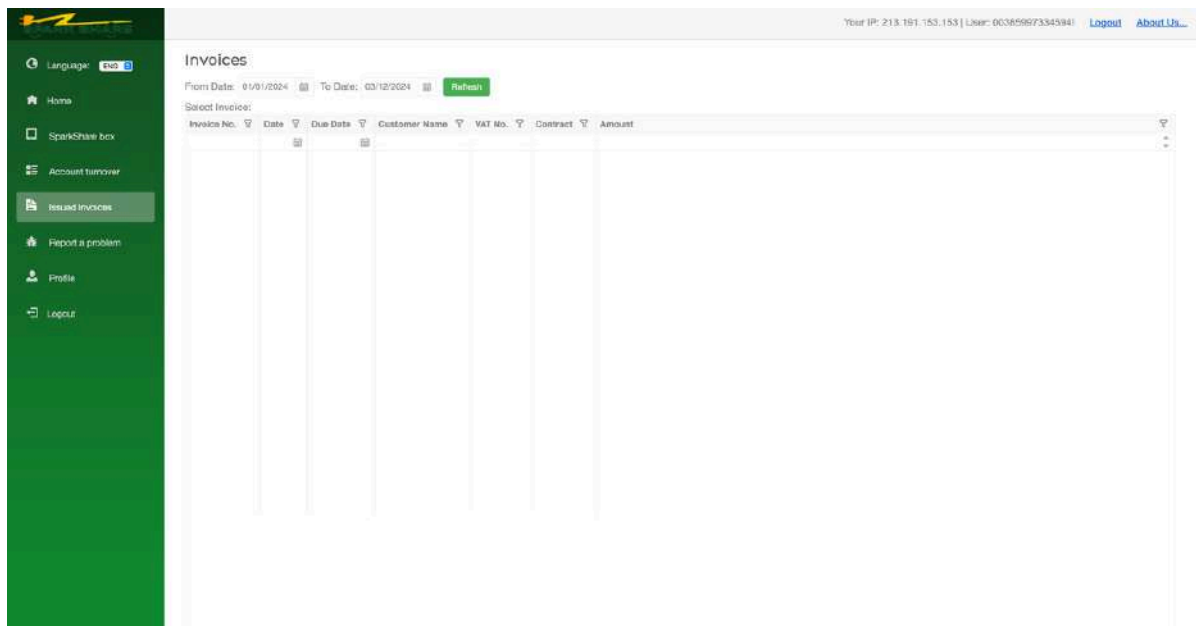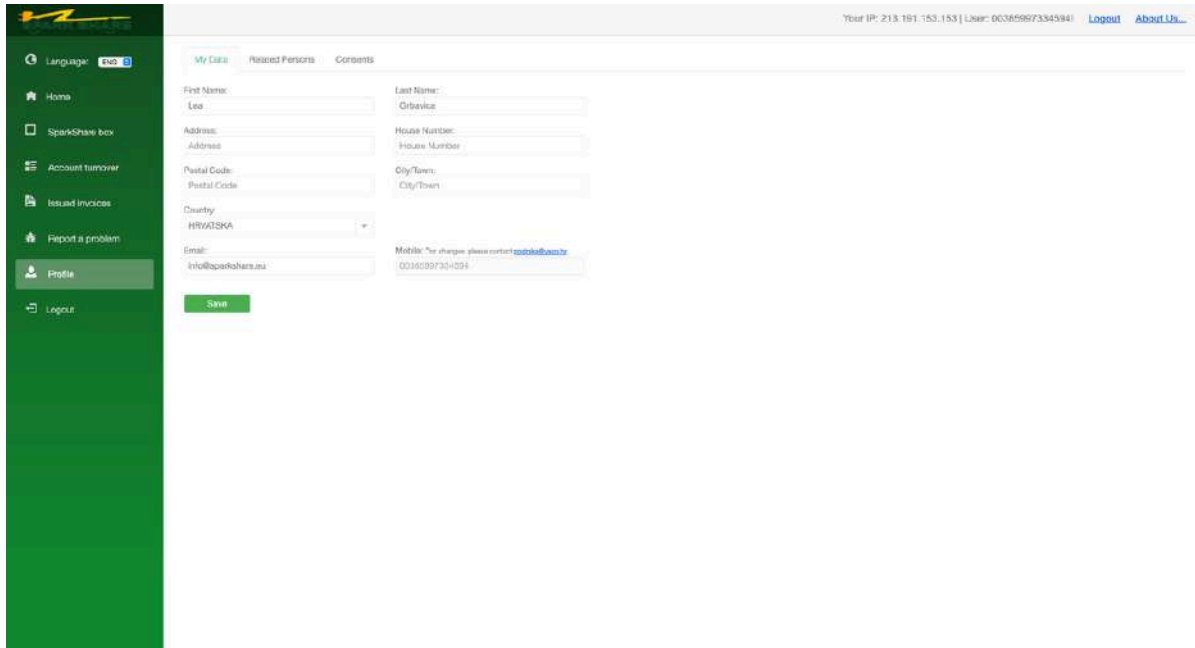
REPORT A PROBLEM

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 podrska@vaco.hr.

SYSTEM USAGE AND SECURITY MEASURES

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.