Uputstvo za rukovanje

LLM Lokalni menadžer opterećenja



Samostalni menadžer sa 10 izlaza za punjenje **XEM510**

Operativni menadžer sa 20 izlaza za punjenje **XEM520**

CE



01	Funkcije	03
02	Instalacija	03
03	Primjer povezivanja	04
04	Upravljanje energijom	05
05	Konfiguracija	06
05.01	Prijava	06
05.02	Prvo povezivanje	07
05.03	Definisanje strategije upravljanja	09
05.04	Detekcija punjača za električna vozila	12
05.05	CPO veza (dostupno samo sa XEM520)	15
05.06	Postavke RFID kartica	16
05.07	Upravljanje korisnicima	20
05.08	Kontrolna ploča	21
05.09	Export funkcija	22

01 Funkcije

Za montažu u razvodni ormar

- Dinamičko i statičko upravljanje energijom
- Upravljanje RFID karticama
- Upravljanje parametrima punjača za električna vozila
- Nadzor potrošnje
- Praćenje korištenja po sesiji punjenja (oznake/Badges)

02 Instalacija





03 Primjer povezivanja





04 Upravljanje energijom

Za instalacije u objektima gdje ima više izlaza za punjenje, lokalni menadžer opterećenja omogućava privremeno prilagođavanje snage koja se koristi za punjenje električnih vozila u odnosu na ukupnu potrošnju objekta.

U slučaju prekomjerne potrošnje aktivira zaštitne uređaje i time sprječava nestanak energije u cijelom objektu. Dinamičko upravljanje, dakle, omogućava potpuno iskorištavanje raspoložive energije za punjenje električnog vozila bez izazivanja prestanka napajanja energijom.

Osim toga, uz dinamičko upravljanje se može obezbijediti veći broj stanica za punjenje nego u sistemu bez LLM-a uz iste karakteristike.



05 Konfiguracija

ightarrow ig

05.01 Prijava

Pristupite stranici za konfiguraciju:

- Otvorite mrežni browser
- Our Unesite:

 http://hager-llm-[6zadnjih_karaktera_UID]/ (primjer: http://hager-llmab4df5/)



Informacija

Posljednjih 6 znakova se nalaze sa prednje strane proizvoda "QR kod"^①.

	LAN	LAN
⊖ STATUS		
O NETWORK		
⊖ SERIAL BUS		
⊖ RESET		
	1)	
L1 L2	2 L3	Ν



05.02 Prvo povezivanje

- Unesite korisničko ime i šifru:
 - Default korisnik: admin
 - Default šifra: 1234

•	hager group	
	Welcome	
	admin	
	Password	
	1234 💿	
	You can find the default credentials on the user guide delivered with the product	
	Login	
LLM Ve	rsion: 23_01	

- O Nakon što kliknete Prijava/Login, sistem će zatražiti unos nove šifre koja je u skladu sa sljedećim minimalnim zahtjevima:
 - Jedno veliko slovo
 - Jedno malo slovo
 - Jedan broj
 - 8 znakova
 - Jedan simbol

ecurity	
security reason, you need to change the default admin credential	
New administrator password	
	0
Password is required.	
The password must respect the following rules:	
🛞 including 1 capital letter	
Sincluding 1 lower case	
Sincluding 1 number	
💌 8 characters minimum	
€ including 1 symbol	
Confirm Password	
Confirm Password	0

Ostavite datum i aktuelno vrijeme

Country	
France	
Timezone	
Europe/Paris	
Date	
27/01/2023	
Hour	
14:29	0

• Definirajte pristupačnost stranice kontrolne ploče

Javna:

Svi koji se nalaze na istoj mreži kao i LLM, imaju mogućnost pristupa kontrolnoj ploči. **Privatna:**

Samo korisnici koji su kreirani u LLM-u imaju pristup kontrolnoj ploči.

D	ashboard accessibility
\bigcirc	Public access Everyone can access the dashboard
۲	Restricted access Only registered users may access the dashboard
	Previous Validate



Slijedite savjete vodiča za nastavak konfiguracije.



- Osigurajte da su svi punjači uključeni i povezani na mrežu. Kako biste ovo provjerili, skenirajte mrežu i provjerite da li su svi punjači vidljivi na mreži. Ukoliko to nije slučaj, onda provjerite sva fizička ožičenja.
- O Definišite operacijski mod kontrole punjača(statički ili dinamički)
- Skenirajte punjače na IP mreži
- O Definišite strategije pristupa za punjače (RFID kartice)

05.03 Definisanje strategije upravljanja

:hager	General settings	EN 👻 🔔
	Local load manager	
Not running Not configured	Available power management	
	O O Dynamic Static	
U Overview	Energy distribution varies depending on Energy distribution is fixed for every installation components needs component of the installation	
General settings		
Not configured Charging stations 0 stations configured		
RFID card 0 badges added		
••• User management ••• 0 users		
System settings System information, date/hour	Phase Type : Three Phases	
LLM version: LLM_2023_01	Save changes	



Dinamičko upravljanje:

Uvažavanje potrošnje objekta u cilju kontrole snage punjača.



	General settings			EN 👻 📩
		3		
Phase Type : Three Phases				
Installation protection (A)				
1 160				
Derated (A)				
2 128			A	
Type of measurement				
3 LLM in use with Tor			~	
Current transform ratio				
(4) 160/5A			~	
	Save changes			

- Zaštita instalacije: Unesite vrijednost u A za glavni zaštitni prekidač
- Smanjenje: Sniženje snage za 10%
- ③ Vrsta mjerenja: Direktno mjerenje (<63A)
 - lli

Putem strujnog transformatora (odnos od /1A ili /5A)

④ Odnos strujnih transformatora: Moguće vrijednosti: Od 75A do 6000A



Statička strategija upravljanja:

Ograničenje potrošnje za sve punjače.





① Maksimalna struja za punjače: Unesite vrijednost u A koja se ne smije prekoračiti.

05.04 Detekcija punjača za električna vozila

•hager		Charging stations EN 👻 📩
Indgen	Charging stations @ Max 10 charging points	
Charging stations Overview Central settings Configured Image: Charging stations No EVSE configured Image: Charging stations Image: Configured Image: Charging stations Image: Configured Image: Charging stations Image: Charging stations Image: Charging stations Image: Configured Image: Charging stations Image: Configured Image: Charging station Image: Charging station Image: Configured Image: Charging station Image: Charging station Image: Configured Image: Charging station Image: Charging station Image: Charging station Image: Charging station Image: Charging station <th></th>		
LLM OVERVIEW		
Overview		Hager charging station
LLM CONFIGURATION		These can be found automatically.
 Charging statings Configured Configured Configured Configured Configured Charging statings Configured RFID card Dedges added User management Ousers System sittings 		Even better, they will be automatically pre-configured.
		It could take some time, the EVSE womm appear automatically as soon as there are connected to the load manager.
RFID card O badges added		EVSE will reboot during the association with the load manager.
User management		
System settings System information, date/hour		
LLM version: LLM_2023_01		•
Pokrenite dete	ekciju punjača tako što ćete kliknuti	na 🕂



Informacija

Proces detekcije može potrajati određeno vrijeme, punjači će se pojaviti automatski čim budu povezani na LLM(Lokalni menadžer opterećenja).

Ovaj korak vrši konfiguraciju punjača za električna vozila.

Sljedeća slika prikazuje primjer punjača otkrivenog tokom procesa detekcije.

•hager	Charging stations					EN 👻 💄
	Cł	narging stations	⑦ Max 10 charging points			
Not running No EVSE configured		Charging stations	OCPP_ID	Charging points	Phase	<i>⊘</i> ₪
LLM OVERVIEW		hager-evcs-cPW7zN EVSE 0	ENFEgS5Zy8NUGTSWcPW7zN	🚔 X Charging points	\odot	Not usable >
Overview						
LLM CONFIGURATION						

:hager			Charging stations	
	Chargi	ng stations		0
Not running No EVSE configured	🗌 Chargin	ng stations 2		1 回
LLM OVERVIEW		hager-evcs-cPW7zN EVSE 0	Θ	Not usable >
OD Overview				

Odaberite punjač za električna vozila tako što ćete kliknuti na isti

hager				
naycı	← hager-evcs-cPW7zN		Cancel	1
Not running No EVSE configured	This Hager station is pre configured			(
	Basic settings Hostname hager-evcs-cPW7zN			
LM CONFIGURATION	Name			
General settings Configured	Charging station 1			
Charging stations No EVSE configured	Phases mapping			
RFID card 0 badges added	L2			
User management	L3 L1, L2, L3			
System settings System information, date/hour	L2, L3, L1			
A Configuration tutorial M version: LLM_2023_01	L3, L1, L2 5			

Podesite punjač:

Naziv:

Unesite naziv punjača, ovaj naziv će se pojaviti na displeju

• Mapiranje faza:

Odaberite ožičenje punjača

Maks. struja po fazi:

Granica zaštite u A

Sačuvajte konfiguraciju



Oznake (Badges) po punjaču

:hager	← HAG_ST1	
Running Attention required	Pagia asttinga	
LLM dashboard	Basic settings	
호 Overview	Hostname	
50 Support	Name	
LLM configuration	HAG_ST_1	
Configured	Phases Mapping	
Charging stations • 8 stations configured	L1, L2, L3	~
Clusters 2 defined clusters	Cluster	
Charging authorisation Badges required	Cluster #1 (default)	\sim
Load shedding strategy · Max current per session	IP address	
User management X users		
System settings System info, date/hour,	Charging authorisation	
⑦ Configuration tutorial	1 associated badge	~
	Search	Q
	- All badges	
	Badge 1	• 7
	Badge 2	Ũ
	Badge 3	
	Badge 4	
	Badge 5	

Ova postavka daje ovlaštenje za sve ili samo neke oznake(Badges) za punjenje na ovom konkretnom punjaču za električna vozila.

Primjer: samo **Oznaka 1** može puniti na ovom punjaču.

05.05 CPO veza (dostupno samo sa XEM520)

Hager Energy - Local Load Mana 🗙 🔯	be.ENERGIS	ED - Charge point ma 🗙 📔 🕂				~ - 0 ×
← → C ▲ Not secure hager-llm	n-kmcjcc.lo	ocal/install/evcs/list			(ຊ 🗟 🖻 🛧 🗖 😩 :
😵 Hager Energy - Loc 🔤 Hager Energy - Lo	к 🚱 Н	lager Energy - Loc 🔇 Hager Energy	- Loc 🔇 Hager Energy - Loc 💮 SteVe - Steckdo	osen 📴 be.ENERGISED Login		
:hager			Chr	arging stations		EN 👻 👗
	Cł	narging statio	IS ⑦ Max 20 charging points			
Not running No CPO settings		Charging Point Operator 0/1 charging stations connecte	d (1)			2 Settings
LLM OVERVIEW			<u> </u>			J
Overview		Charging stations	OCPP_ID	Charging points	Phase	
k		hager-evcs-cPW7zN EVSE 0	ENFEgS5Zy8NUGTSWcPW7zN	🚔 1 Charging points	③ L1, L2, L3	Configured >
LLM CONFIGURATION						
General settings Configured						
Charging stations 1 stations configured						
RFID card O badges added						
User management 0 users						
System settings System information, date/hour						
LLM version: LLM_2023_033						•

- Kada je izvršena detekcija punjača te je isti konfigurisan pomoću XEM520, možete aktivirati funkciju Charging Point Operator (Operator tačke punjenja).
- Odabir CPO i vezane postavke se mogu podesiti u meniju postavke/Settings.

Operator tačke punjenja

		EN 🔻	-			EN 👻	:
	Charge Point Operator Settings		×		Charge Point Operator Settings		×
1 CPO ser	ver			CPO : URL: Ho Edit	Server IsToBe wss		
HasToBe w	SS			2 OCPF	P_ID assign to EVSE		
Next				a0:02:4a test	:e0:a1:04		

- Odaberite CPO server sa kojim se želite povezati i kliknite na Dalje/Next.
 Ovdje se prikazuju svi prethodno detektovani punjači.
- O Unesite OCPP ID za svaki punjač i pokrenite preko Poveži na CPO.

• •hager					Charging stations		EN	- 4
	Ch	narging stations	0	Max 20 charging	points			
Running All Set		Charging Point Operator 1/1 charging stations connected					Settin	ngs
		Charging stations		OCPP_ID	Charging points	Phase	Ø	団
		hager-evcs-cPW7zN EVSE 0		testLudo1	🛸 1 Charging points	© L1, L2, L3	CPO accepte	ed >
General settings								
Charging stations 1 stations configured								
RFID card 0 badges added								
User management								
System settings System Information, date/hour	ŀ							+

Ukoliko su svi podaci ispravni, putem **CPO prihvaćen/accepted** ćete vidjeti da su punjači povezani na CPO.



Informacija

U ovom režimu, upravljanje oznakama/Badges više ne vrši LLM. To je preuzeo CPO.

05.06 Postavke RFID kartica

•hager			RFID card		EN 👻 🔔
	Badges				
Not running No Badges	Badge required				3 Edit rule
LLM OVERVIEW		Standard (0)	Supervisor (0)	Pending (0)	
Overview					
LLM CONFIGURATION					
General settings Configured					
Charging stations 1 stations configured	You may add badges in different ways:	\frown			
RFID card 1	 By scanning badges on charging stations By importing a CSV file By adding it manually one by one 	(2)			
User management					
System settings System information, date/hour					
LLM version: LLM_2023_01					•

- Odaberite **RFID** kartica/card u meniju.
- Programirajte oznake/Badges:
 - Skeniranjem oznaka/Badges na punjačima koji su povezani sa LLM
 - Uvozom csv datoteke
 - Pojedinačnim manuelnim dodavanjem kartica

:hager



- O Definišite pravilo pristupa za punjače za električna vozila tako što ćete odabrati Edit rules/Uredi pravila.
 - Slobodan pristup
 - Neophodna oznaka/Badge



Skenirajte oznake/Badge

• hager			RFID card			EN 👻 📩
	Badges					
Not running No Badges	Badge required					Edit rule
LLM OVERVIEW		Standard (0)	Supervisor (0)	Pending (0)		
Overview						
LLM CONFIGURATION						
General settings Configured						
Charging stations 1 stations configured	You may add badges in different ways:					
RFID card No Badges	 By scanning bacages on charging stations By importing a CSV file By adding it manually one by one 					Add badge manually
User management	_,, indiada, one of one				(1)	Import a file
System settings System information, date/hour					Ŭ	Scan badges from stations
Configuration tutoriat						×

Ikiknite na + i odaberite skeniranje oznaka/badges





Potvrdite informativni prozor sa OK.
Okanizania na nakraća

Skeniranje se pokreće.

Informacija	
Pritiskom na 💽 se zaustavlja skeniranje RFID kartice.	

hager	RFID card	en 👻 📩
magoi	Badges	
Running All Set	Badge required	Edit rule
LLM OVERVIEW	Standard (0) Supervisor (0) Pending (2)	
Overview	Select All	団
LLM CONFIGURATION Caneral settings Configured Charging stations tatians configured Charging stations tatians configured Charging stations tatians configured Charging stations Codese System settings System information, date/hour	b42daaca e4cf0442	
LLM version: LLM_2023_01		+

Pronađena RFID kartica

•hager		RFID card	EN 👻 📩
inagoi	Badges		Badge edit ×
Running All Set	Budge required		Select parameter that you would like to apply on
LLM OVERVIEW			selected badges
Overview	E Select All		ctive
LLM CONFIGURATION	E bilase		Comment (optional)
General settings	C sectors2		Email(Optional)
Charging stations			
1 stations configured			Type of badge (access level)
2 bodges added			Standard 🗸
User management 0 users			Expiration date (optional)
System settings System information, date/hour			
LLM version: LLM_2023_01			Apply

Odaberite oznaku za personalizaciju pomoću postavke opcije oznaka/badge options.

		EN 🔻 🚨
:hager	Badges	Badge edit $ imes$
Attention required		Select parameter that you would like to apply on selected badges
LLM dashboard		Activate hadre
😟 Overview		Adivate badge
T Support		Mixed 🗸
o _o Support		Selected badges have different types
LLM configuration		Type of badge (access level)
General settings		Standard
Charging stations • 8 stations configured		Expiration date (ontional)
Clusters 2 defined clusters		
Badges 10 badges added		Max energy per session (optional) (kWh)
☑ Load shedding strategy ● Max current per session		
• User management		22
X users		Observing authorization
System settings System info, date/hour,		
⑦ Configuration tutorial	C man	All EVSE (4) V

 Odabirom jedne od ovih opcija, RFID kartica se može omogućiti za punjenje na svim punjačima (Sve EVSE) ili na jednom konkretnom punjaču.
 Primjer: Oznaka 1 može puniti na EVSE1.



05.07 Upravljanje korisnicima

• Kreiranje korisnika

•:hager			User managemer	nt		EN 👻 📩
Running All Set	User mo	anagement				<u>ا</u> ا
LLM OVERVIEW		Username	First name	Name	Role	
Overview						
LLM CONFIGURATION						
General settings Configured						
Charging stations 1 stations configured						
RFID card 2 badges added						
User management O users						
System settings System information, date/hour						
⑦ Configuration tutorial						
LLM version: LLM_2023_01						

Nakon što pritisnete + popunite sljedeće elemente:

- Ime korisnika
- Profil
- Nova šifra
- Potvrda šifre

*:hager			User monogement		m + 1
Contraction Address	User manar	<i>←</i>	Add a user		0 0
LLM OVERVIEW	<u> </u>	Username		a.	
LLM CONFIGURATION		Profile			
General settings Contract		Advanced New Password			
Complex stations		Confirm Password	0		
Contraction			0		
If Spring and Second			Validate		
O Configuration Internal					0



Informacija

Šifra je privremena i mora se promijeniti nakon što se prvi put prijavite.

05.08 Kontrolna ploča

:hager			Overview			EN 👻 📩
Running All Set	Available power management Dynamic Adjusting to other load demand	Max. current per phase 160 A Tri phase	Charging stations 1		EVCS access rights Badge required 2 badges	
	Consumption in real time					
LLM CONFIGURATION © General settings Configured (m) Charging stations	$\begin{array}{c} \text{Overall} \\ \rightarrow \ \text{L1} & \textbf{OA} \\ \rightarrow \ \text{L2} & \textbf{OA} \\ \rightarrow \ \text{L3} & \textbf{OA} \end{array}$		Total EVSE \rightarrow L1 \rightarrow L2 \rightarrow L3	0 A 0 A 0 A		
RFID card 2 bodges added	Charging sessions In real time	Status	L1 L2	L3	Energy	
System information, date/hour	Filter: by label	Preparing Items per page 10 I	 Page 1 of 1 < < > >	-	ч	

U ovom pregledu možete pronaći podatke o vašoj instalaciji, vizualizaciju potrošnje i vizualizaciju sesija punjenja.

05.09 Export funkcija

					EN 👻 🔺
:hager					
Attention required	Available power management Dynamic Adjusting to other load demand	Max. current per phase 45 A Tri-phase	Charging stations 8	EVCS access rights Badge required X badges	
LLM dashboard					
Dverview	Consumption				
रू Support	Overall XX A	Total EVSE	XX A		
LLM configuration	\rightarrow L1 XX A	→ L1 3			
General settings Configured	\rightarrow L3 XX A	→ L3 1	XX A		
Charging stations • 8 stations configured	Cluster #1 XX A	Cluster #2 X		Cluster #3 XX A	
Clusters 2 defined clusters	\rightarrow L1 XX A \rightarrow L2 XX A	\rightarrow L1) \rightarrow L2)		\rightarrow L1 XX A \rightarrow L2 XX A	0
Badges 10 badges added		→ L3 1	XX A	\rightarrow L3 XX A	
☑ Load shedding strategy ● Max current per session	\rightarrow L1 XX A				
User management X users	\rightarrow L2 XX A \rightarrow L3 XX A				
System settings System info, date/hour,					
⑦ Configuration tutorial	Charging sessions in real time				ort data
	Label 🗢 Status	Badge ID U	Jser Charging	J/Idle time L1 L2 L3 E	nergy
	▲ SCH ST 2 (•) Error #	123456 123456 S	Surname Name 35' 16	5" / 05' 32" 0/32 A 0/32 A 0/32 A 20.	1 kWh >

• Kliknite na dugme export podataka/export data za preuzimanje csv datoteke, uključujući podatke o svim sesijama punjenja.

Otvoriti će se novi pop-up prozor.

Month Date range	(2)	
Start date	End date	
XX/XX/XXXX 🛗	XX/XX/XXXX 🛗	

Od korisnika se sada traži da naznači vremenski period za sve sesije koje želi exportovati. Ovaj period može biti maks. 1 godinu.

	AB	С	D	E	F	G	Н
1	transaction 🔽 evcsId	💌 evcsName 🔻	startDateTransactio	stop Date Transactio 💌	badgeld	badgeName	energyChargedKwl 🔻
2	1 a0:02:4a:e0:a3	3:c5 N/A	07.11.2022 11:21	07.11.2022 11:30	645c0542	N/A	679
3	2 a0:02:4a:e0:a4	4:10 N/A	07.11.2022 11:23	07.11.2022 12:24	044ee958	N/A	13550
4	3 a0:02:4a:e0:a3	3:c5 N/A	07.11.2022 12:27	08.11.2022 05:56	34f5db32	N/A	937
5	4 a0:02:4a:e0:a4	4:10 N/A	07.11.2022 12:43	07.11.2022 13:39	74ac0a42	N/A	8334
6	5 a0:02:4a:e0:a2	2:e7 N/A	07.11.2022 13:19	07.11.2022 13:20	a443f141	N/A	0
7	6 a0:02:4a:e0:a2	2:e7 N/A	07.11.2022 13:20	07.11.2022 13:21	a443f141	N/A	0
8	7 a0:02:4a:e0:a	5:00 N/A	07.11.2022 13:22	08.11.2022 06:03	a443f141	N/A	6735
9	8 a0:02:4a:e0:a3	3:b0 N/A	07.11.2022 13:35	07.11.2022 13:38	24cfdd58	N/A	231
10	9 a0:02:4a:e0:a3	3:b0 N/A	07.11.2022 13:38	07.11.2022 13:38	24cfdd58	N/A	0
11	10 a0:02:4a:e0:a3	3:b0 N/A	07.11.2022 13:39	08.11.2022 05:57	24cfdd58	N/A	6234
12	11 a0:02:4a:e0:a4	4:10 N/A	07.11.2022 13:39	08.11.2022 05:43	74ac0a42	N/A	349
13	12 a0:02:4a:e0:a3	3:c5 N/A	08.11.2022 12:08	01.01.1970 01:00	34f5db32	N/A	5680
14	13 a0:02:4a:e0:a4	4:10 N/A	08.11.2022 12:26	01.01.1970 01:00	74ac0a42	N/A	10063
15	14 a0:02:4a:e0:a	5:00 N/A	08.11.2022 12:32	08.11.2022 12:32	a443f141	N/A	0
16	15 a0:02:4a:e0:a	5:00 N/A	08.11.2022 12:33	08.11.2022 12:34	a443f141	N/A	0
17	16 a0:02:4a:e0:a3	3:b0 N/A	08.11.2022 12:34	01.01.1970 01:00	24cfdd58	N/A	6831
18	17 a0:02:4a:e0:a	5:00 N/A	08.11.2022 12:35	01.01.1970 01:00	a443f141	N/A	6561
19	18 a0:02:4a:e0:a3	3:c5 N/A	09.11.2022 12:12	10.11.2022 06:00	34f5db32	N/A	8565
20	19 a0:02:4a:e0:a4	4:10 N/A	09.11.2022 12:21	09.11.2022 13:09	74ac0a42	N/A	2536
21	20 a0:02:4a:e0:a3	3:b0 N/A	09.11.2022 12:22	10.11.2022 06:07	24cfdd58	N/A	6656
22	21 a0:02:4a:e0:a	5:00 N/A	09.11.2022 12:47	10.11.2022 06:02	a443f141	N/A	7400
23	22 a0:02:4a:e0:a4	4:10 N/A	09.11.2022 13:09	09.11.2022 17:01	74ac0a42	N/A	6504
24	23 a0:02:4a:e0:a4	4:10 N/A	09.11.2022 17:04	09.11.2022 17:04	74ac0a42	N/A	0
25	24 a0:02:4a:e0:a4	4:10 N/A	10.11.2022 11:18	10.11.2022 16:42	74ac0a42	N/A	15361
26	25 a0:02:4a:e0:a	5:00 N/A	10.11.2022 11:26	10.11.2022 20:37	a443f141	N/A	5857
27	26 a0:02:4a:e0:a3	3:c5 N/A	10.11.2022 11:56	10.11.2022 20:37	34f5db32	N/A	10379
28	27 a0:02:4a:e0:a3	3:b0 N/A	10.11.2022 12:07	10.11.2022 20:37	24cfdd58	N/A	6368
29	28 a0:02:4a:e0:a4	4:10 N/A	10.11.2022 20:21	10.11.2022 20:37	74ac0a42	N/A	3699
30	29 a0:02:4a:e0:a	5:00 N/A	11.11.2022 12:21	12.11.2022 06:04	a443f141	N/A	7214
31	30 a0:02:4a:e0:a	3:c5 N/A	11.11.2022 12:25	11.11.2022 12:27	24cfdd58	N/A	92
32	31 a0:02:4a:e0:a3	3:c5 N/A	11.11.2022 12:27	11.11.2022 12:29	24cfdd58	N/A	3
33	32 a0:02:4a:e0:a3	3:cb N/A	11.11.2022 12:29	11.11.2022 12:29	24cfdd58	N/A	0
34	33 a0:02:4a:e0:a	3:b0 N/A	11.11.2022 12:30	12.11.2022 06:03	24cfdd58	N/A	7263

Primjer izvoza/exporta csv datoteke

Sljedeće informacije se prikazuju nakon otvaranja izvezene csv datoteke:

- EVCS MAC adresa (punjača)
- EVCS naziv (punjača)
- Datum početka i završetka transakcije
- ID oznake/Badge
- Naziv oznake/Badge
- Potrošnja energije

Hager d.o.o. Igmanska bb 71320 Vogošća Bosna i Hercegovina

Tel. +387 33 424 295, 297 **Faks** +387 33 424 296 hagerbih@bih.net.ba, centrala@hager.com

hager.ba / hager.rs / hager.hr / hager-ks. com / hager.al