

Quick Charge Station

Overview

The QC24S is a quick charge station able to charge all CCS compatible electric vehicles. Users only need to plug the charging connect to the vehicle and the QC24S will immediately start the charging process.

- Single output - CCS
- Fast-charge any CCS vehicle
- 0 to 80% in less than 1 hour
- Safe and intuitive to use
- Status LED color cable holder
- Customizable front-end (for branding or advertising)
- Optional network integration (OCPP or proprietary protocol)
- Optional built-in communications (3G; LAN; Wi-Fi)
- Optional RFID reader
- Optional TFT display

DC plug-in charging system



CCS

Main features

- Small and compact
- Stand alone or network integrated charger
- Local or remote monitoring and control
- DC power up to 24 kW
- High efficiency >94 %
- High power factor 0.99

Patent Information

- Pat. Pend. PT 107918
- RCD N° 002542084-0001
- US design patent application Pend. N° 29/520,113



Fast Charging



User Friendly



Cost-effective



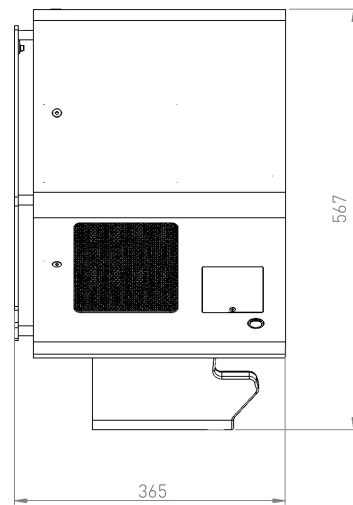
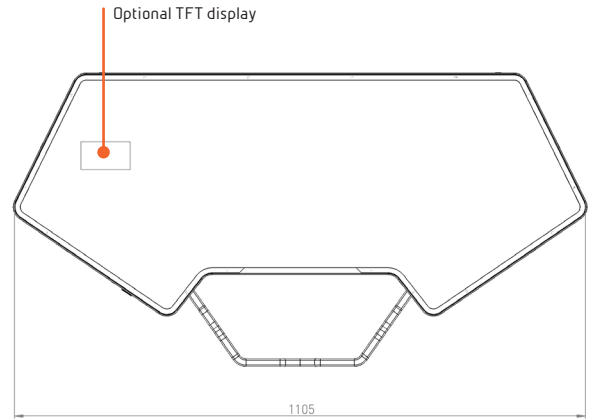
Easy to Install

Application

- Car-Share, Taxi and Rent-a-Car fleets
- EV dealers and service providers
- Employee parking lots
- EV fleets (private and public)
- Shopping Centers
- Private EV Infrastructure and operators

Technical data		CE
Three phases		
Phases/Lines	3 phases + neutral + PE	
Voltage	400 ± 10% V a.c.	
Current	37 A	
Single Phase		
Phases/Lines	1 phase + neutral + PE	
Voltage	230 ± 10% V a.c.	
Current	111 A	
Nominal Input		
Power (max. value @ 24kW output)	25.5 kVA	
Frequency	50 ± 10% Hz	
Efficiency	> 94%	
Power Factor	0.99 @ full load; 0.98 @ half load	
THD Input Current	Less than 5% @ full load Less than 10% @ half load	
DC Output: CCS		
Voltage	260 to 425 V d.c.	
Current	60 A d.c. @ 400V d.c.	
Nominal Power	24 kW (adjustable up to this)	
Communications with EV	PLC	
Plug	CCS - Type-2	
Insulation		
Input / Output / Ground	2800 V a.c.	
Control Circuit / Ground	500 V a.c.	
Cabinet		
Dimensions (WxDxH)	1105 x 365 x 567 mm	
Weight	60 kg	
Protection Degree	IP54, IK10	
HMI and Command Unit		
Contactless card specification	Mifare Classic 1K&4K, DesFire EV1 (Others under request)	
Local interface	RFID; Button; LED's	
Communication	Web Services over IP; Router 3G (GSM or CDMA)	
Protocol (others under request)	OCPP	
Emergency STOP	Yes	
Environment Conditions		
Temperature range	-25°C to +40°C	
Humidity range	5% to 90%	
Place of installation	Indoor / Outdoor	
Altitude	Up to 1000m	
Noise Level	<55 dB in all directions	

Configurations



Choose Your Design

