



## Quick Charge Station

### Overview

- Fast-charge any compatible vehicle
- 0 to 80% in less than 30 minutes
- Multistandard (CHAdeMO and CCS compliant)
- TFT color display (for user interface and publicity)
- Network integration (OCPP or proprietary protocol)
- Built-in communications (3G; LAN; Wi-Fi)
- Optional 2 piece configuration (kiosk/terminal)



Fast Charging



User Friendly



Communication & Management



Multi-standard

### DC plug-in charging systems



CCS



CHAdeMO

### Main features

- Multiple standards
- Multiple outputs
- DC power up to 50 kW
- High efficiency: > 93%
- High power factor: 0.98
- Simple plug & play installation
- Standalone or network integration
- Local and remote control and monitoring
- C4 corrosion protection
- Customizable

### Product description

The **QC45** is a Quick Charging station able to charge all EVs with CHAdeMO and CCS charging compliance.

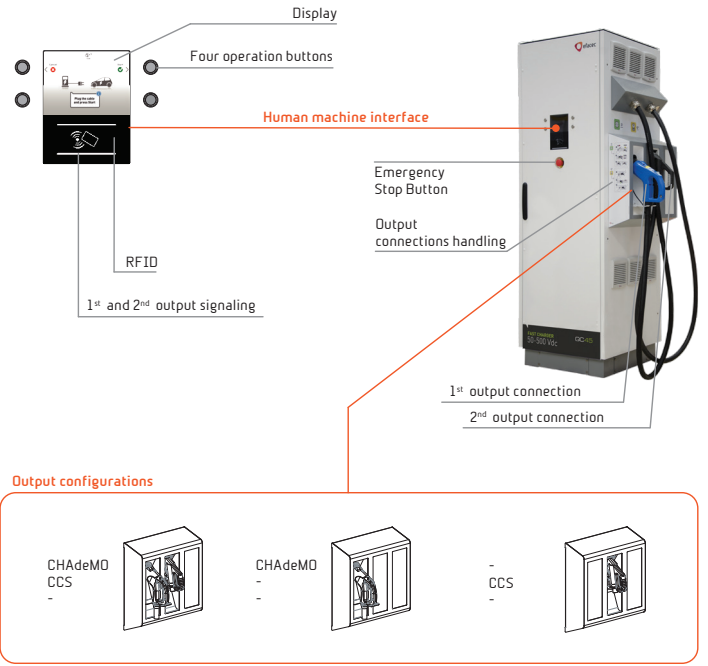
After user identification (if authentication is required), by simply choosing the charging standard compatible to your vehicle and coupling the charger's output plug to the EV, you will have a fast secured and proven charging process. The battery charging status is displayed and the charging cycle finishes by itself or can be terminated by an user command.

Different output options are available, like the basic single DC output, dual DC output, in a single cabinet or bundled with a wired charging interface kiosk.

The **QC45** includes Efacec's power electronics unique design, resulting in top specifications for DC fast charging. Higher power output with best power factor and efficiency.

Technical data		ETL
<b>AC Nominal Input for DC Output</b>		
Phases / lines	3 phases + PE	
Voltage & frequency	480 Vac ± 10 %; 60 Hz	
Nominal input current & power	64 A, 50 kVA	
Efficiency	> 93 %	
Power factor	0,98	
<b>AC Nominal Input (Optional)</b>		
NOT AVAILABLE		
<b>DC Output</b>		
Voltage	50 Vdc to 500 Vdc	
Current	0 to 120 A	
Nominal Power (@ 400V)	45 kW continuous / 50 kW peak	
<b>AC Output (optional)</b>		
NOT AVAILABLE		
<b>General Specifications</b>		
Equipment	Multi-standard DC outputs (Mode-4)	
Communication with EV	JEVS G104 (CHAdeMO) IEC61851-23 PLC (SAE / Type-1)	
DC Plugs	JEVS G105 (CHAdeMO) Combo T1 (SAE / Type-1)	
Human Machine Interface	<b>By default</b>	
Display	6.4" TFT Color screen	
RFID system	Mifare (Classic, DesFire EV1) or others on request	
Communication	3G (GSM or CDMA)   LAN   Wi-Fi	
Communication Protocols	OCPP (1.2; 1.5) and others	
Place of installation	Indoor/Outdoor	
Altitude	Up to 1000 m	
Protection degree	IP54   IK10   NEMA 3R	
Operating Temperature	-13 °F to +122 °F	
Optional Cold Option	-31 °F to 122 °F	
Storage Temperature	-40 to +140 °F	
Humidity	5 % to 95 %	
Sound noise	<55 dB in all directions	
Dimensions (W x D x H)	23.6 x 23.6 x 70.9 inches	
Weight	1323 pounds	

Configurations



Applications

- Highways and national roads
- Fuel-stations (City and strategic locations)
- EV Infrastructure and operators
- EV fleet (private and public)
- EV dealers and service providers

