

SIEMENS

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QC45 Rapid Charger

Multi standard rapid charging

[siemens.co.uk/electromobility](https://www.siemens.co.uk/electromobility)

Product description

The multi-standard Siemens QC45 Rapid Charger can be supplied with single DC output (CCS or CHAdeMO), dual DC output (CCS and CHAdeMO) or triple outlet with an additional AC 22kW outlet or 43kW tethered cable. All combined outputs are integrated into a single cabinet for safe and userfriendly charging of all compatible electric vehicles.

Capable of charging from zero to 80% in less than 30 minutes, each unit can be strategically deployed to form part of a rapid charging infrastructure network.

Our units are designed to reflect the core product values of simplicity, durability and safety. Simple lines and form help the charger blend-in with the environment and landscape, with the design intended to provide users with the assurance and confidence that vehicle charging is both simple and safe.

Available in a range of colours, this high power, multistandard QC45 Rapid Charger is easy to install and operate and can be integrated into an existing

charging infrastructure network. Units have power output up to 50kW DC and 43kW AC and are tested and accredited with all compatible electric vehicles.

All Siemens chargers can be connected to the Siemens remote technical portal allowing Siemens to actively monitor, configure, update and control chargers and provide customers and end users with an effective, resilient and highly available EV charging network.

From multi-standard rapid charging to single outlet AC charging, Siemens provides an extensive portfolio of electric vehicle charging solutions. Our EV charging solutions are based on proven technology and are designed, manufactured and installed for long-term deployment and high levels of usage.

Main features

- Multi-standard (CHAdeMO; CCS/Combo; AC)
- Simultaneous charging of two vehicles; DC and AC.
- Choice of charging outputs up to 50kW DC and 43kW AC
- Fully integrated and customisable video display screen
- RFID user authentication
- Full OCPP compatibility
- In-built communications (3G; LAN; Wi-Fi)
- Highly reliable and efficient with high power factor
- Low-cost installation
- Available in 8 colours, with custom branding options



Technical Information

Technical data	
Nominal Input	
Phases / lines	3 phases + neutral + PE
Voltage & frequency	400 Vac \pm 10 %; 50 Hz
Nominal input current & power	73A,50kVA (AC/DC Power Share), 105A,72kVA (+22kW AC Full Power), 136A,93kVA (+43kW AC Full Power)
Efficiency	> 93 %
Power factor	0,98
AC Nominal Input (Optional)	
Phases / lines	1 phase + neutral + PE
Voltage & frequency	230 Vac \pm 10 %; 50 Hz
Nominal input current & power	Up to 32 A, 7.4 kVA
DC Output	
Voltage	50 Vdc to 500 Vdc
Current	0 to 120 A
Nominal Power (@ 400V)	45 kW continuous / 50 kW peak
AC Output (optional)	
Voltage	230 V or 400 V
Current	from 16 A up to 63 A
Nominal Power	from 3,7 kVA up to 43 kVA
General Specifications	
Equipment	Multi-standard DC outputs (Mode-4), with optional AC (Mode-3)
Communication with EV	JEVS G104 (CHAdeMO) IEC61851-23 PLC (CCS / Combo-2) IEC61851-1 (AC)
DC Plugs	JEVS G105 (CHAdeMO) Combo T2 (CCS / Combo-2)
AC Plug (or socket)	IEC62196 Type-2
AC Human machine interface	
Display	6.4" TFT Color screen
RFID system	Mifare (Classic, DesFire EV1) or others on request
Communication	3G (GSM) L AN Wi-Fi
Communication protocols	OCPP (1.2; 1.5) (upgradable)
Place of installation	Indoor/Outdoor
Altitude	Up to 1000 m
Protection degree	IP54 IK10
Operating Temperature	-25 to +50 °C
Optional Cold Option	-35 to +50 °C
Storage temperature	-40 to +60 °C
Humidity	5% to 95%
Sound noise	<55 dB in all directions
Dimensions (W x D x H)	600 x 600 x 1800 mm
Weight	600 Kg

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