

Multi standard rapid charging

QC20 Rapid Charger

The multi-standard Siemens QC20 Rapid Charger can be supplied with single DC outlet (CCS or CHaDeMO), dual DC outlet (CCS and CHaDeMO) or triple outlet with a 22kW AC socket. All combined outputs are integrated into a single cabinet for safe and user-friendly charging of all compatible electric vehicles.



Capable of charging from zero to 80% in less than 60 minutes, each unit can be strategically deployed to form part of a rapid charging infrastructure network. The reduced power supply requirements of the QC20 means it can be installed in many more locations and at a lower cost than alternative high power 50kW rapid chargers.

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 versatile QC20 Rapid Charger is easy to install and operate and can be integrated into existing charging infrastructure networks. Units have power output up to 20kW DC and 22kW AC and are tested and accredited with all compatible electric vehicles.

All Siemens chargers can be connected to a 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.

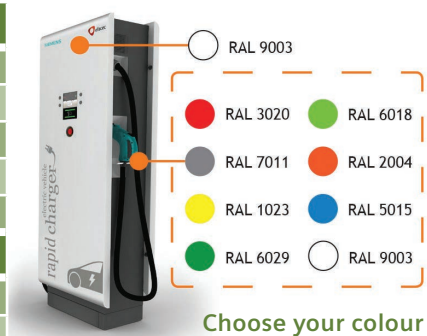
From multi-standard rapid charging to single outlet AC charging, Siemens provides an extensive portfolio of electric vehicle charging solutions. Our EV charging solutions are based on proven technology and are designed, manufactured and installed for long-term deployment and high levels of usage.

Siemens QC20 Rapid Charger highlights include:

- Multi-standard (CHAdeMO; CCS/Combo; AC)
- Simultaneous charging of two vehicles; DC and AC.
- Choice of charging outlets up to 20kW DC and 22kW AC
- RFID user authentication
- Full OCPP compatibility
- In-built communications (3G; LAN; Wi-Fi)
- Low-cost installation
- Available in 8 colours, with custom branding options
- Highly reliable and efficient with high power factor

Technical Information

Nominal Input	
Phases / lines	3 phases + neutral + PE
Voltage & frequency	400 Vac ± 10 %; 50 Hz
Max rated input current & power	32 A, 22 kVA
Efficiency	> 94 %
Power factor	0,95 (0,98 as optional)
AC Nominal Input (Optional)	
Phases / lines	1P or 3P + neutral + PE
Voltage & frequency	400 Vac ± 10 %; 50 Hz
Nominal input current & power	Up to 32 A, 22 kVA
DC Output	
Voltage	50 Vdc to 500 Vdc
Current	0 to 50 A
Nominal Power	20 kW
AC Output (optional)	
Voltage	230 V or 400 V
Current	from 16 A up to 32 A
Nominal Power	from 3,7 kVA up to 22 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) LAN Wi-Fi
Communication protocols	OCPP (1.2; 1.5) (upgradable)
Place of installation	Indoor/Outdoor
Altitude	Up to 1000m
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)	630 x 457 x 1922 mm
Weight	325 Kg



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