

## Wall mounted rapid charging

# QC24S Rapid Charger

Designed to conform to all industry standard charging protocols and interfaces, the new single-outlet, wall-mounted QC24S rapid charger can be supplied with DC output at 24kW with CCS or CHaDeMO connector on a tethered lead, tested and accredited with all compatible vehicles.



Charging from zero to 80% in less than 60 minutes, the optimised 24kW power, lightweight design and wall mounting means the QC24S can be installed for much lower cost and in many more locations than a traditional 50kW ground mounted unit, making it an ideal solution for rapid charging for both business and local authority EV fleets. In addition, the QC24S can be strategically deployed to form part of a charging infrastructure network, with its operation and status connected and controlled to a back-office over industry-standard OCPP protocol.

Customised and available in a range of colours with built-in 3G and LAN communications, the QC24S Rapid Charger is easy to install and operate.

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. The front panel can be fully customised and branded to fit customer specific requirements.

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.

- Multi-standard (DC, CHAdeMO or CCS/Combo)
- Full downloadable RFID access and control
- Fully integrated and customisable video display screen
- Full OCPP compatibility and network integration for Pay As You Go and Smart Apps
- All units tested and accredited to all compatible electric vehicles

### QC24S rapid charger benefits:

- User-friendly interface
- Local and remote monitoring control
- Independent or network integration
- Customised and branding available
- Multiple applications
- Easy maintenance

## Technical Information

Technical data	CE	ETL
	<b>3phases</b>	
Phases / lines	3 phases + neutral + PE	3 phases + PE
Voltage	(400 ± 10%) V a.c.	(208 ± 10%) V a.c.
Current	37 A	71 A
	<b>single phase</b>	
Phases / lines	1 phase + neutral + PE	1 phase 2 wire + PE
Voltage	(230 ± 10%) V a.c.	(240 ± 10%) V a.c.
Current	111 A	106 A
	<b>Nominal Input</b>	
Power (max. value @ 24kW output)	25,5kVA	
Frequency	(50 ± 10%) Hz	(60 ± 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:	<b>CCS</b>	
Voltage	(260 to 425) V d.c.	
Current	60 A d.c. (@ 400V d.c.)	
Nominal Power	24kW ( adjustable up to this )	
Communications with EV	PLC	
Plug	CCS – Type 2	SAE – Type 1
	<b>Insulation</b>	
Input / Output / Ground	2800 V a.c.	2800 V a.c.
Control Circuit / Ground	500 Vac	
	<b>Cabinet</b>	
Dimensions(WxDxH)	1000 x 360 x 500 mm	39.4 x 14.2 x 19.7 inches
Weight	60 kg	132 pounds
Protection Degree	IP54, IK10	IP54, IK10, NEMA 3R
	<b>HMI and Command Unit</b>	
Contactless card specification	Mifare Classic 1K&4K, DesFire EV1 (Others under request)	
Local interface	RFID; Button; LED's	
Communication Protocol (others under request)	Web Services over IP; Router 3G (GSM or CDMA) OCPP; Efacec;	
Emergency STOP	Yes	Yes
	<b>Environment Conditions</b>	
Temperature	-25 to +40 C	-13 to +104 F
Humidity	5% to 90%	
Place of installation	Indoor / Outdoor	
Altitude	Up to 1000m	Up to 3280 feet
Sound Noise	<55 dB in all directions	

### Siemens Mobility

#### Traffic Solutions

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