

SIEMENS



SICHARGE RC 180

The **superfast-charging** DC public charger

The 180 kW DC public charger comes equipped with 2 x CCS2* charging cables. It has a higher power rating, is future proof and is capable of superfast charging suitable for eBus & eTruck depots and terminals as well as high power public charging requirements.

Use cases:



eBus depots



eTruck
terminals



High power public
charging requirements

Features at a glance:



Dynamic
power sharing



Future proof



Interoperable



Flexible



Reliable



Robust

Technical data (IEC)

SICHARGE RC 180

Configuration with cable		Yes
Cable lengths	m	6
AC nominal input		
Voltage	V	415 ± 10%
Frequency	Hz	50
Power factor	cos phi	> 0.99
Short-circuit current rating	kA	10
THDi	%	< 5
DC output		
Rated power	kW	180
Voltage (range)	V	200 ... 1,000
Current of connected cables (max.)	A	250
Efficiency factor η (at load 100%)	%	≥ 94.5
Environmental conditions		
Operating environment		Indoor and outdoor
Operating temperature	° C	-10 ... +50
Operating altitude	m	2,000 above sea level
Relative humidity	%	5 ... 95 (non-condensing)
Mechanical specifications		
Enclosure protection		IP54
Housing material		Painted MS
Coating		Powder Coating
Color		Main housing: RAL 1036; roof and base: RAL 7021
Approx. overall dimensions ¹⁾		
W x D x H	mm	800 X 900 X 2080
Approx. foundation dimensions ¹⁾		
W x D	mm	800 X 900
Approx. weight acc. to configuration	kg	550
General specifications		
Local user interface		9.7" touchscreen HMI and status LED
User authentication and payment		RFID offline and online (optional)
Network connection		Ethernet interface; 3G and 4G
Electric safety device		MCCB, Fuse, SPD, Earth Fault Relay, etc..
Operating noise level		
@ 3 m distance	dB(A)	Up to 62 in normal operation, low-noise mode 50 (optional)
Norms and standards		
Charging standards		IEC 61851-1/23/24, ISO 15118 (DIN 70121)2), GB/T 27930-2015
Communication protocol ²⁾		OCPP 1.6J, Modbus TCP ²⁾

1) With side-by-side positioning

2) For supported functionalities of OCPP, and ISO 15118, please refer to the technical documentation available from your Siemens partner.

Highlights:



Dynamic Power Sharing:

Full output of 180 kW in single gun and 90 kW per gun in dual-gun operation



Future ready:

Compatible with wide range of current & future EVs



Reliable:

Consistent high performance



Safe:

Emergency Stop button for easy cut-off

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