

Technical data (IEC)



SICHARGE UC

SICHARGE UC		150C	150	300 (2 x 150)	450 (3 x 150)	600 (4 x 150)
Configuration with cable		Yes	n.a.	n.a.	n.a.	n.a.
Prepared for dispenser connection		n.a.	Yes	Yes	Yes	Yes
Cable lengths	m	3.5; 6; 10	n.a.	n.a.	n.a.	n.a.
AC nominal input						
Voltage	V	400 ± 10%				
Current at nom. voltage per phase	A	228	456		684	912
Frequency	Hz	50				
Power factor	cos phi	> 0.99				
Short-circuit current rating	kA	10				
THDi	%	< 10				
Network type		TN-C, TN-S, TN-C-S				
DC output						
Rated power @600 V	kW	150	300		450	600
Voltage (range)	V	100 ...1,000				
Current of connected cables (max.)	A	250	500		750	1,000
Efficiency factor η (at load 100%)	%	≥ 96				
Environmental conditions						
Operating environment		Indoor and outdoor				
Operating temperature	° C	–25 ... +45				
Operating altitude	m	2,000 above sea level				
Relative humidity	%	5 ... 95 (non-condensing)				
Mechanical specifications						
Enclosure protection		IP54, IK10				
Housing material		Painted steel and stainless steel				
Coating		C4H (suitable for operation in industrial areas and coastal areas with moderate salinity)				
Color		Main housing: RAL 9006 – white aluminum; roof and base: RAL 9017 – Traffic black matte				
Approx. overall dimensions ¹⁾						
W x D x H	mm	919 x 908 x 2,058	1,848 x 908 x 2,058		2,777 x 908 x 2,058	3,706 x 908 x 2,058
Approx. foundation dimensions ¹⁾						
W x D	mm	919 x 719	1,848 x 719		2,777 x 719	3,706 x 719
Approx. weight acc. to configuration	kg	1,250	2,500		3,750	5,000
General specifications						
Local user interface		10" touchscreen HMI and status LED (optional)				
User authentication and payment		RFID offline and online (optional)				
Network connection		Ethernet interface; 3G and 4G				
Electric safety device		RCD Type B (optional)				
Operating noise level						
@ 3 m distance	dB(A)	Up to 62 in normal operation, low-noise mode 50 (optional)				
Norms and standards						
Charging standards		EN 61851-1/23/24, ISO 15118 (DIN 70121) ²⁾				
Communication protocol ²⁾		OCPP 1.6J, Modbus TCP ²⁾				
EMC standards		EN 61000-6-2, -3, -4, -5, and -6				
EMC class		EMC Class A, Class B (optional)				
CE certification		Yes				

eVehicle connection possibilities

Charging Center UC 150C	Comes with integrated CCS2 DC plug with no other charging connection options
Charging Center UC 150	Up to 4 air-cooled dispensers Up to 3 air-cooled dispensers with cable + 1 air-cooled dispenser with contact hood 1 MastHood or 1 MastPanto
Charging Center UC 300	Up to 2 liquid-cooled dispensers ³⁾ 1 MastHood or 1 MastPanto
Charging Center UC 450, UC 600	1 MastHood or 1 MastPanto

1) With side-by-side positioning

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

3) More than one dispenser connection available with an additional engineering solution.