

Technical data (IEC)

SICHARGE D high-power charger

AC nominal input		
Voltage	V	400 ± 10%
Current at nom. voltage per phase	A	301/332/423/515 (incl. AC socket)
Frequency	Hz	50/60
Power factor	cos phi	> 0.99 at full load
Short-circuit current rating	kA	50
THDi	%	< 3
Network type		TN-C, TN-S, or TT
DC output		
Rated power	kW	160/180/240/300
Upgradeability	kW	up to 300
Voltage (range)	V	150 ... 1,000
Outlet options		DC: 2 x CCS2 or 1 x CCS2 and 1 x CHAdeMO 1.2 Optional AC: AC Type 2 socket (with flap and shutter), 22 kW incl. RCD CCS2: 1 x 400 (air-cooled cable), 1 x 500 (liquid-cooled cable) CHAdeMO: 1 x 125/200
Current of connected cables (max.)	A	
Interface for additional dispenser (parallel charging)		Preinstalled interface for one dispenser with two DC charge points
Efficiency factor η	%	> 95 rated, > 96 peak
Cable lengths	m	3.1; 5
Environmental conditions		
Operating environment		Indoor and outdoor
Operating temperature	°C	– 25 ... +55 (without power derating up to + 35) ¹⁾
Operating altitude	m	≤ 2,000 above sea level (without derating)
Relative humidity	%	5 ... 95 (non-condensing)
Mechanical specifications		
Enclosure protection		IP54, IK10 (incl. display)
Housing material		Powder-coated galvanized steel, anti-graffiti paint
Coating		C4-M/C5-L
Color		RAL 9006: white aluminum
Overall dimensions W x D x H	mm	845 x 820 x 2,300
Foundation dimensions W x D	mm	680 x 620
Approx. weight acc. to configuration	kg	540 ... 820
General specifications		
Local user interface and LEDs		Full-color 24" touchscreen with adaptable position of user interface; status LED per outlet
User authentication and payment		RFID, PIN code, QR code + smartphone, credit card (optional)
Network connection		Ethernet 10/100 base; 2G; 3G; 4G (LTE)
Electric safety device		Surge protection, overvoltage category III
Operating noise level @3 m distance	dB(A)	< 65 (silent mode: < 50, configurable times e.g., for day and night)
Metering options		Optional: DC meter per outlet (standard meter ²⁾ or according to German MessEV ²⁾) AC meter for Type 2 outlet (standard meter ²⁾ or according to German MessEV ³⁾), AC income meter
Remote management		Remote access, over-the-air (OTA) software updates, external load management via modbus ⁵⁾
Norms and standards		
Charging standards		EN 61851-1/23, ISO 15118 (DIN 70121) ⁴⁾ 5), IEC 62196-3 (Mode 4, Type 2), JEVS G105 (Mode 4, CHAdeMO 1.2) AC (optional): IEC 61851-1, IEC 62196-2, (Mode 3, Type 2)
Communication protocol ⁵⁾		OCPP 1.6J
EMC standards		Immunity Class A (EN 61000-6-2, industrial); Emission Class B (EN 61000-6-3, residential)
Certifications and conformity		CE, RCM, MessEV

1) With no direct sun exposure 2) Accuracy class B 3) Accuracy class A (acc. to EN 50470-3: 2006 and EN 50470-1:2006) 4) Hardware-ready

5) For supported functionalities of OCPP, modbus, and ISO 15118, please refer to the technical documentation