

Version
1.4



DISTRIBUTED CHARGING SYSTEM

SICHARGE FLEX

Dispenser Column and Dispenser Cabinet

SIEMENS

Technical Data SICHARGE FLEX Dispenser Column

DC output		CCS	CCS Liquid Cooled (LC)
Output current	A	375 (boost 500)	500 (boost 600)
Voltage (range)	V	200 ... 1,000	
Outlet options		Dual plug (DL)	
Cable lengths	m	3.0 / 6.0	
Input			
DC circuits		Up to 3	
DC cable		Up to 300 mm ² per conductor	
AC supply		400 V AC, 3-phase, max. 6 mm ² per conductor	
PE cable		Up to 300 mm ²	
Environmental conditions			
Operational environment		Indoor and outdoor	
Operating temperature	°C	-30 ... +55	
Derating temperature	°C	> +40 ⁽¹⁾	
Operating altitude	m	≤ 2,000 above sea level	
Relative humidity	%	10 ... 95 (non-condensing)	
Mechanical specifications			
Enclosure protection		IP54, IK10 ⁽²⁾	
Housing material		Powder-coated galvanized steel	
Coating		C4H	
Overall dimensions W x D x H ⁽³⁾	mm	600 x 710 x 2,224	
Footprint enclosure W x D	mm	300 x 365	300 x 656
Approx. weight (excl. cable / incl. cable) ⁽⁴⁾	kg	157 / 177	209 / 224
General specifications			
Local user interface		Status LED and SoC indicator LED per charge point, 10.1" user touchscreen with buttons, 15.6" value screen, DC meter (optional)	
User authentication and payment		App, QR code, autocharge Optional: RFID, payment terminal	
Network connection (to Power Cabinet)		Ethernet / fiber-optic (optional)	
Electrical safety device		Overvoltage protection; category II per DIN EN 60664-1 with connected Power Cabinet	
Operating noise level @1 m, 20°C	dB(A)	≤ 54	
DC metering certification		MID / ERK	
Remote management		Cloud: Sifinity Control, DepotFinity, third-party OCPP backend	
Communication protocols		Cloud: OCPP 1.6J ⁽⁵⁾	
Distance to Power Cabinet		Up to 100 m (Ethernet: CAT 6A) Up to 300 m (fiber-optic: LC Duplex)	
Norms and standards			
Conformity		CE marking	
Legislations		Radio Equipment Directive (RED) 2014/53/EU RoHS Directive 2011/65/EU and (EU) 2015/863 REACH Regulation (EC) No. 1907/2006 WEEE Directive 2012/19/EU	
Electrical safety		EN IEC 61851-1, EN 61851-23	
EMC		EN IEC 61851-21-2 Conducted Class A, Radiated Class A	
Cybersecurity		EN 18031-1, EN 18031-2, EN 18031-3	
Communication		Vehicle: EN IEC 61851-24, DIN 70121, EN ISO 15118-2	

¹ Without impact of direct sunlight

² Lower IK rating for value screen and payment terminal (depending on model)

³ Including (dual) plug holders and cable management

⁴ Without packaging, single charging cable (6.0 m) considered

⁵ For supported functionalities of OCPP, contact Siemens representative

The product specifications, technical details, and designs presented in this document reflect our current development roadmap. As we continue to refine and optimize our charging solutions, certain specifications may be subject to enhancement or adjustment during the product development process.

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract. All product designations may be trademarks or product names of Siemens AG or other companies whose use by third parties for their own purposes could violate the rights of the owners.

Technical data SICHARGE FLEX Dispenser Cabinet

DC output

		CCS
Output current	A	375 (boost 500)
Voltage (range)	V	200 ... 1,000
Outlet options		Single plug
Cable lengths	m	5.0 / 7.5 / 9.5

Input

DC circuits		Up to 3
DC cable		Up to 300 mm ² per conductor
AC supply		400 V AC, 3-phase, max. 6 mm ² per conductor
PE cable		Up to 240 mm ²

Environmental conditions

Operational environment		Indoor and outdoor
Operating temperature	°C	-30 ... +55
Derating temperature	°C	> +40 ⁽¹⁾
Operating altitude	m	≤ 2,000 above sea level
Relative humidity	%	10 ... 95 (non-condensing)

Mechanical specifications

Enclosure protection		IP54, IK10
Housing material		Powder-coated galvanized steel
Coating		C4H
Overall dimensions W x D x H	mm	500 x 293 x 698
Approx. weight (excl. cable / incl. cable) ⁽²⁾	kg	46 / 76

General specifications

Local user interface		Status indicator, DC meter (optional)
User authentication		App, QR code, autocharge
Network connection (to Power Cabinet)		Ethernet / fiber-optic (optional)
Electrical safety device		Overvoltage protection; category II per DIN EN 60664-1 with connected Power Cabinet
Operating noise level @1 m, 20°C	dB(A)	≤ 52
DC metering certification		MID / ERK ⁽³⁾
Remote management		Cloud: Sifinity Control, DepotFinity, third-party OCPP backend
Communication protocols		Cloud: OCPP 1.6J ⁽⁴⁾
Distance to Power Cabinet		Up to 100 m (Ethernet: CAT 6A) Up to 300 m (fiber-optic: LC Duplex)

Norms and standards

Conformity		CE marking
Legislations		RoHS Directive 2011/65/EU and (EU) 2015/863 REACH Regulation (EC) No. 1907/2006 WEEE Directive 2012/19/EU
Electrical safety		EN IEC 61851-1, EN 61851-23
EMC		EN IEC 61851-21-2 Conducted Class A, Radiated Class A
Cybersecurity		EN 18031-1, EN 18031-2
Communication		Vehicle: EN IEC 61851-24, DIN 70121, EN ISO 15118-2

¹ Without impact of direct sunlight

² Without packaging, longest charging cable considered

³ ERK option requires the meter display to remain visible and readable to the user in accordance with calibration law

⁴ For supported functionalities of OCPP, contact Siemens representative

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