



Version  
1.2

DISTRIBUTED CHARGING SYSTEM

# SICHARGE FLEX

## Power Cabinet

# SIEMENS

## Technical Data SICHARGE FLEX Power Cabinet

| DC output                        |       |         | 480                                                                                                                                                        | 560   | 960                                                          | 1,120 |
|----------------------------------|-------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------|-------|
| Rated power                      |       | kW      | 480                                                                                                                                                        | 560   | 960                                                          | 1,120 |
| Current                          |       | A       | 1,200                                                                                                                                                      | 1,400 | 2,400                                                        | 2,800 |
| Voltage (range)                  |       | V DC    | 200 ... 1,000                                                                                                                                              |       |                                                              |       |
| Outlet options                   |       |         | Up to 6 charge points (CCS)                                                                                                                                |       |                                                              |       |
| Peak efficiency                  |       | %       | Up to 96.5                                                                                                                                                 |       |                                                              |       |
| AC nominal input                 |       |         |                                                                                                                                                            |       |                                                              |       |
| Input Voltage                    |       | V AC    | 400                                                                                                                                                        |       |                                                              |       |
| Current per phase                |       | A       | 795                                                                                                                                                        | 915   | 1,555                                                        | 1,795 |
| Frequency                        |       | Hz      | 50                                                                                                                                                         |       |                                                              |       |
| Power factor                     |       | cos phi | > 0.99 (at ≥ 50% load)                                                                                                                                     |       |                                                              |       |
| Short circuit current rating     |       | kA      | 10                                                                                                                                                         |       |                                                              |       |
| THDi                             |       | %       | < 2 (at full load)                                                                                                                                         |       |                                                              |       |
| Network type                     |       |         | 3-Phase + PE, TN-C, TN-S (permanently connected)                                                                                                           |       |                                                              |       |
| SPD                              |       |         | Type 1 + 2 + 3                                                                                                                                             |       |                                                              |       |
| Inlet cable size                 |       | mm²     | Up to 3x 300 (max) per phase<br>Up to 5x 300 (max) PE or PEN                                                                                               |       | Up to 6x 300 (max) per phase<br>Up to 5x 300 (max) PE or PEN |       |
| Environmental conditions         |       |         |                                                                                                                                                            |       |                                                              |       |
| Operational environment          |       |         | Indoor and outdoor                                                                                                                                         |       |                                                              |       |
| Operating temperature            |       | °C      | −40 ... +55                                                                                                                                                |       |                                                              |       |
| Derating temperature             |       | °C      | > +40 <sup>(1)</sup>                                                                                                                                       |       |                                                              |       |
| Operating altitude               |       | m       | ≤ 2,000 above sea level                                                                                                                                    |       |                                                              |       |
| Relative humidity (operation)    |       | %       | 10 ... 95 (non-condensing)                                                                                                                                 |       |                                                              |       |
| Mechanical specifications        |       |         |                                                                                                                                                            |       |                                                              |       |
| Enclosure protection             |       |         | IP54, IK10                                                                                                                                                 |       |                                                              |       |
| Housing material                 |       |         | Powder-coated galvanized steel                                                                                                                             |       |                                                              |       |
| Coating (corrosion class)        |       |         | C4H                                                                                                                                                        |       |                                                              |       |
| Overall dimensions               | W     | mm      | 1,404                                                                                                                                                      |       | 2,204                                                        |       |
|                                  | D x H | mm      | 887 x 2,410 (incl. roof)                                                                                                                                   |       |                                                              |       |
| Approx. weight <sup>(2)</sup>    |       | kg      | 920                                                                                                                                                        | 940   | 1,710                                                        | 1,755 |
| General specifications           |       |         |                                                                                                                                                            |       |                                                              |       |
| Local user interface             |       |         | DC shutdown button (optional)                                                                                                                              |       |                                                              |       |
| Network connection               |       |         | Ethernet 10/100 BASE, fiber-optic <sup>(3)</sup> (optional); 3G+4G(LTE) / 4G(LTE)+5G (optional)                                                            |       |                                                              |       |
| Electric safety device           |       |         | AC Overvoltage protection category I-II+III; ACB, MCB's, fuses;<br>DC Overvoltage protection category II; Isolation between AC and DC (Power Modules)      |       |                                                              |       |
| Operating noise level @3 m, 25°C |       | dB(A)   | ≤ 64                                                                                                                                                       |       | ≤ 67                                                         |       |
| Remote management                |       |         | Cloud: Sifinity Control, DepotFinity, third-party OCPP backend<br>Remote access, over-the-air (OTA) software updates                                       |       |                                                              |       |
| Communication protocols          |       |         | Cloud: OCPP 1.6J <sup>(4)</sup>                                                                                                                            |       |                                                              |       |
| Norms and standards              |       |         |                                                                                                                                                            |       |                                                              |       |
| Conformity                       |       |         | CE marking                                                                                                                                                 |       |                                                              |       |
| Legislations                     |       |         | Radio Equipment Directive (RED) 2014/53/EU; RoHS Directive 2011/65/EU and (EU) 2015/863;<br>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** Without packaging

**3** As a connection option for the Dispenser

**4** 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.

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