

CDC1000E

1+X Megawatt charging system



RELIABLE AND SAFE

- Long lifespan over 10 years
- Eco-friendly with degradable fluid for liquid-cooled dispenser
- IP55 protection and C5 anti-corrosion



FLEXIBLE APPLICATION

- Flexible configuration of dispensers, serving up to 12 vehicles simultaneously
- Compatibility with PV-ESS system reserved
- Supports reactive power regulation in response to grid demand
- 1+X technical solution, power cabinet supports parallel connection up to 3500kW, worry-free power expansion



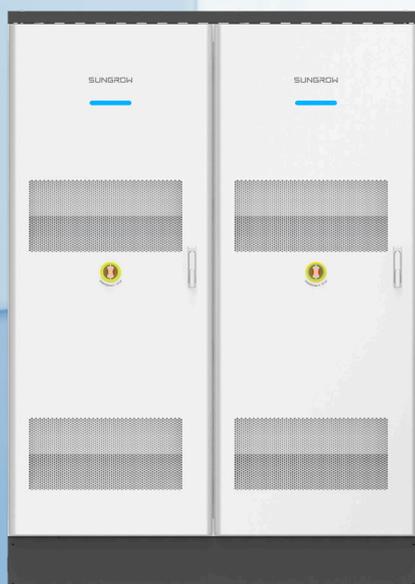
USER FRIENDLY

- Adaptive voltage range 150-1000Vdc
- Supports multiple authentication and payment options
- Barrier-free design for easy access



EFFICIENT AND SMART

- SiC power module, Max. efficiency up to 97%
- Dynamic power allocation by 40kW granularity
- Advanced service and configuration tools include monitoring platform and web interface



Model	Power Cabinet
AC input	
Grid voltage	3 / N / PE, 400 Vac (± 10 %)
Nominal grid frequency	50 Hz / 60 Hz
Power factor	0.9 C - 0.9 L
Standby power	≤ 70 W
Earthing system	TN-C, TN-S, TN-C-S, TT
Total harmonic distortion (THDi)	< 5 % at full output power
Overvoltage category	III
DC output	
Max. output power	1000 kW (500kW*2)
Output voltage range	150 Vdc - 1000 Vdc
Number of output	Max. 12
Maximum DC current per output	800 A
Max. efficiency	96.5 %
General data	
Dimensions (W*H*D)	800 mm * 2170 mm * 1126 mm (500 kW)
Operating temperature	-35 °C - 55 °C
Operating humidity range	5 % - 95 % (non-condensing)
Operating altitude	≤ 2000 m
Mechanical impact protection	IK10 (enclosure)
Enclosure rating	IP55
Communication	
Communication interface	WLAN / 4G / Ethernet / RS485
Communication protocol (charger-to-CSMS)	OCPP 1.6 J Ready for OCPP 2.0.1
User interface	
Emergency stop	Yes
Display	LED indicator

Model	CCS dispenser	MCS dispenser
DC output		
Cable configuration	Dual cable / Single cable (optional)	Dual cable / Single cable (optional)
Connector type	CCS2 + CCS2	CCS2 + MCS
Max. output current	2 * CCS2: 500 A liquid-cooling (boost 800A) 2 * CCS2: 380 A (boost 500A)	MCS: 1500 A liquid-cooling / CCS2: 500 A liquid-cooling (boost 800A)
Output voltage range	150 Vdc - 1000 Vdc	
Communication to EV	DIN70121, ISO15118	
Standby power consumption	≤ 40 W	
Energy meter	MID-certified DC energy meter / Eichrecht-certified DC energy meter (optional)	
General data		
Dimensions (W*H*D)	350mm * 2050 mm * 720 mm	
Cable length	CCS2 : 5 m / 7 m (optional)	CCS2 : 5 m / 7 m (optional) , MCS : 3.5 m
Operating temperature range	-35 °C - 50 °C	
Operating humidity range	5 % - 95 % (non-condensing)	
Operating altitude	≤ 2000 m	
Operating noise level	≤ 65 dB(A) at 1m distance / 25 °C, at full output power	
Mechanical impact protection	IK10 (enclosure)	
Enclosure rating	IP55	
Anti-corrosion degree	C5	
User interface		
User authentication	RFID-card / Plug & play / Auto-charge / Plug & charge / Payment terminal (optional)	
Display	10-inch color touch screen	
RFID system	ISO / IEC 14443A/B / ISO/IEC 15693 / NFC	
Communication interface	Ethernet, RS485	
Emergency button	Yes	
LED Display	Yes	
Cable management system	Yes	
Firmware update	Over-the-air update	
Multilanguage system	English Other languages available by firmware upgrade	
Protection		
Over/under voltage protection	Yes	
Overload protection	Yes	
Over temperature protection	Yes	
Leakage current protection	Yes	
Surge protection	Yes	
Short-circuit protection	Yes	
Certification and standards		
Certifications	CE / CB	
Compliance	ETSI / EN 300 328, EN 300 330, EN 301 489-1 / 3 / 17 / 52, ETSI / EN 301 908-1 / 13, EN 50665, BS / EN IEC 61851-1, BS / EN IEC 61851-21-2, BS / IEC EN 61851-23 / 24, EN IEC 62311	
Warranty	3 years (standard)	

