

# CDC1000E

## ChargeStack 1000

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### RELIABLE AND SAFE

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



### USER FRIENDLY

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



### 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



### 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



Technical parameters	Power Cabinet
<b>AC input</b>	
Grid voltage	3 / N / PE , 360 - 440 Vac
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
<b>DC output</b>	
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	97.0 %
<b>General data</b>	
Dimensions ( W * H * D )	800 mm * 2200 mm * 1126 mm ( 500 kW )
Weight	≤ 1600 kg
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
<b>Communication</b>	
Communication interface	WLAN / 4G / Ethernet / RS485
Communication protocol ( charger-to-CSMS )	OCPP 1.6J & OCPP 2.0.1 ( coming soon )
<b>User interface</b>	
Emergency stop	Yes
Display	LED indicator



Technical parameters	CCS dispenser	MCS dispenser
<b>DC output</b>		
Cable configuration	Dual cable / Single cable ( optional )	Dual cable / Single cable ( optional )
Connector type	CCS2 + CCS2	CCS2 + MCS
Max. output current	2*CCS2: 500A liquid-cooled ( boost 800A ) 2*CCS2: 400A Air-cooled ( boost 600A )	MCS: 1500A liquid-cooled+CCS2: 500A liquid-cooled ( boost 800A )
Max. output power ( Per connector )	CCS2: liquid-cooled: 800kW Air-cooled: 600kW	MCS: liquid-cooled: 1500 kW
Output voltage range	150 Vdc - 1000 Vdc	
Communication to EV	DIN 70121, ISO 15118	
Standby power consumption	≤ 40 W	
Energy meter	Support MID / PTB meter	
<b>General data</b>		
Dimensions ( W * H * D )	703 mm * 2204 mm * 850 mm	
Weight	≤ 235 kg	
Cable length	CCS2: 5 m / 7 m ( optional )	CCS2: 5 m / 7 m ( optional ) , MCS: 3 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	
<b>User interface</b>		
User authentication	Standard : RFID / Plug & play / Auto-charge Optional : Plug & charge / Payment terminal	
Display	10-inch color touch screen	
RFID system	ISO / IEC 14443 A / B & ISO / IEC 15693 / NFC	
Communication interface	Ethernet, RS485	
Emergency button	Yes	
LED Display	Yes	
Cable management system	Yes	
Firmware update	OTA update	
Multilanguage system	English ( Support customizing other languages )	
<b>Protection</b>		
Over / under voltage protection	Yes	
Overload protection	Yes	
Over temperature protection	Yes	
Leakage current protection	Yes	
Surge protection	Yes	
Short-circuit protection	Yes	
<b>Certification and standards</b>		
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 )	

