

G3 Floor-Standing Charging Dispenser

200A/250A/300A/375A/380A/500A/600A Charging Connector



Introduction

The G3 floor-standing charging dispenser is specifically designed for EV charging operators, offering flexible split type system configurations and support for multiple charging points. It is compatible with CCS1/CCS2/NACS/GBT standards and can be configured with air-cooled charging connectors rated up to 200A (CCS1, CCS2, NACS), 250A (CCS2, GBT), 300A (CCS1, CCS2, NACS), 375A (CCS2), and 380A (NACS), as well as liquid-cooled charging connectors rated up to 500A (CCS2, GBT) and 600A (CCS1, NACS, GBT). The corresponding maximum output power for these configurations is 200kW, 250kW, 300kW, 375kW, 380kW, 500kW, and 600kW, respectively.

Main Features

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|  IP55 (NEMA 3S)/IK10 protection rating, full-power charging from -30°C to +50°C |  Starts charging with a simple plug-and-charge process after authentication |
|  Optional 600A liquid-cooled charging connector with Any Cooling™ technology |  LTE wireless modem/Ethernet, RFID, POS and mobile app payment options |
|  Full safety functions: output contactor and fuse, ESD, leakage switch, insulation detector, and multiple-layer software protection logic |  User-friendly interface with a 10.1" (optional 21.5") TFT capacitive touch screen LCD protected by tempered glass |
|  Flexible swing-arm cable retraction management for the charging connector | |

Technical Parameters

Model		EXP250-FFC	EXP400-FFC	EXP500-LL5C EXP600-LL6C	EXP800-LC
Operating Environment	Operating temperature	-30°C~-+70°C, full power output up to 50°C, power derating 5%/°C above 50°C			
	Transportation/Storage temperature	-40°C~-+75°C			
	Relative humidity	≤95%RH, non-condensing			
	Altitude	2000m			
	Atmospheric pressure	80kPa~110kPa			
	Cabinet cooling	Air cooling			
	Cable cooling	Natural cooling		Liquid cooling	
	Protection rating	IP55 (NEMA 3S)/IK10 (IK08 for 10.1" LCD, IK09 for 21.5" LCD)			
	Noise	0		55dB	
DC Input	Voltage	150Vdc~1000Vdc			
	Input channel	2			
DC Output	Charging cable	2			
	Voltage	150Vdc~1000Vdc			
	Max output current	2*250A	2*375A	2*500A/600A	800A
	Optional (boost current)	2*375A	2*500A	2*700A	1000A
	Max output power	2*250kW	2*375kW	2*500kW/600kW	800kW
Standard	Certification	TUV CE, cTUVus, RED, CB, FCC, OCA, NMI Eichrecht			
	Charging standard	NB/T 33001, NB/T 33008, EN 61851-23/24, DIN70121, ISO15118 (optional ISO15118-20)			
	EMC/safety	EN 61851-21-2, EN 61000-6-2/4 Class A, EN 61851-1/23/24, UL 2202, CSA C22.2			
Function and Interface	HMI	Tempered glass protective 10.1" (optional 21.5") capacitive touch screen LCD, RGB panel LED, E-STOP, RFID, QR code, POS (optional)			
	Metering	DC energy meter, MID-certified meter, optional NMI-certified meter			
	Backend	OCPP 1.6J/2.0.1 (optional 2.3X), PnC/OTA/smart charging/power management support, LTE wireless modem/Ethernet			
	Cable management	Top-mounted swing-arm for cable retraction			
	MBE function	WEB/APP Maintenance Backend System enhances the operation and maintenance effectiveness			
	Charging protection	Overcurrent/short circuit/overvoltage/undervoltage/RCD/insulation/overtemperature protection Reverse polarity protection			
Configuration	Charging connector	2*CCS/NACS/GBT or CCS+NACS/GBT or 1*CCS/NACS/GBT			
	Charging connector capacity	CCS: 200A/250A/300A/375A/500A/600A; NACS: 200A/300A/380A/600A; GBT: 250A/500A/600A			
Mechanical Parameters	Dimensions (W*D*H)	560mm*300mm*2000mm			
	Weight	230kg		260kg	

*The product is continuously evolving. Please refer to the latest datasheet for specifications.

