



BiDiGrid-560D

Bidirectional Battery Integrated EV Charging Systems with separated dispenser unit



1 Features

- Battery Integrated DC Charging System
- Easy to scale up to 8 Charging dispensing unit , 560kW output power Per Unit
- Integration Cloud EMS
- Bidirectional battery grid operation

2 Technical data

Power Unit

System	
Certification	CE
Protection	IP 54 system / IP 67 battery
Mechanical protection	IHMI Display IK 10
Dimensions (H × W × D)	2260mm×1380mm×1100mm
Weight	2800 kg
Operating temperature	-25°C to 50°C
Humidity	5% to 90%
Network connections	GSM/3G/LTE (CE)
Noise emission (at 1m distance)	≤ 60 dB

Output – DC Charging System × 2	
DC output power	Max. 150 kW (DPD) × 2
DC output current	Max. 350 A @430V Max. 188 A @800V
DC output voltage	200 – 1000V DC
EMC emission	IEC61000-6-2, IEC61000-6-4, EN61851-21-2:2018 (CE)

Input

Grid connection	400 V, 50 Hz TN-C-S; 3 P + N + PE 16/32/63 A 2 low-voltage safety lines (Impact)
Electrical protection	Overvoltage category IV (DIN 60664-1)
RCD protection	Yes (Type B)
Power factor	> 0,95
Battery to Grid	Support (Controlled by EMS)

Battery

Internal battery rated capacity	218.88kWh @CATL Battery cell
Maximum usable capacity	~200kWh
SoC _{min.} /SoC _{max.}	8%/100%
Warranty – battery System lifetime	5 years
Max. Recharge Power	40kW Bidirectional

Operator Interface

OCPP	OCPP 1.6-J Improved security for OCPP 1.6-J, edition 2 OCPP 2.0.1
Software Update	Over the remote updates (via OEM backend)

Dispense Unit

General Data

Certification	CE
Protection	IP 55 system
Mechanical protection	IHMI Display IK 10
Max system DC output power	560kW
Dimensions (H × W × D)	1970mm×345mm×1000mm
Operating temperature	-25°C to 50°C
Humidity	5% to 90%
Network connections	GSM/3G/LTE (CE)
Noise emission (at 1m distance)	≤ 60 dB

Output – DC Charging Point 1&2

DC output power	Max. 280 kW
DC output current	Max. 350 A @800V
DC output voltage	200 – 1000V DC
DC output interface	CCS type 2 combo
EMC emission	IEC61000-6-2, IEC61000-6-4, EN61851-21-2:2018 (CE)
Vehicle PLC communication	ISO 15118, DIN 70121

User Interface

HMI	Status LEDS 10" Touch Screen 32" Display Emergency Stop button
Authorization / payment	RFID NFC/credit card/QR code Supported payment provider: ep2, Payter

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