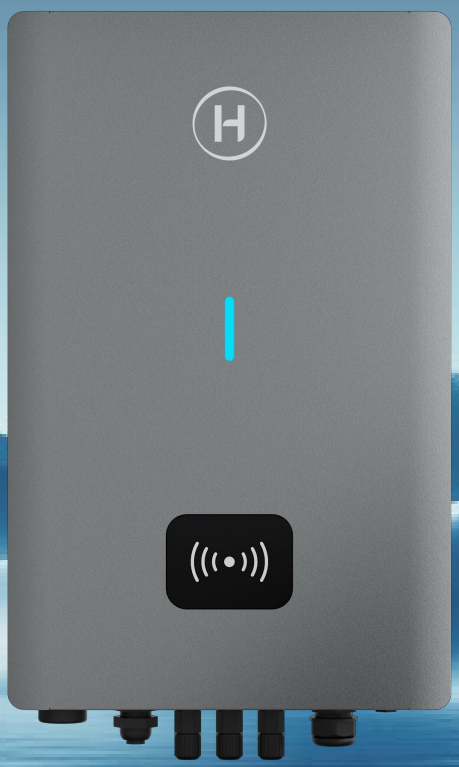
Hoymiles

Open Energy for All

DC CHARGER

HiOne-22VD-G3



Features

01 V2X integrated system enables efficient power flow between EV, home, and grid

02 Delivers up to 22 kW DC bi-directional charging for quick EV top-ups

03 Wide 200-1000 Vdc charging voltage ensures compatibility with current and future EVs

04 Supports intelligent green power mode to maximize solar energy utilization

05 IP65-rated enclosure and robust construction, built for all operational environments and harsh conditions

06 Integrated multi-layer protection, fully certified to the highest safety standards

Technical Specifications

Model	HiOne-22VD-G3
Charging Mode	
Input voltage range	240-980 Vdc
Max. input current	44 A
Output voltage range	200-1000 Vdc
Max. output current	73.3 A
Max. output power	22 kW
Peak efficiency	97%
Discharging Mode	
Input voltage range	300-1000 Vdc
Max. input current	80 A
Max. output current	44 A
Output voltage range	240-980 Vdc
Peak efficiency	97%
Communication	
Wireless connectivity	Wi-Fi, Bluetooth, 4G (Optional)
Wire connectivity	CAN / RS485
Communication protocol (Charger-to-EV)	ISO 15118-2, DIN 70121, ISO 15118-20 (Forward)
Communication protocol (Charger-to-Backend)	OCPP 1.6j/2.0.1, Modbus-TCP & Modbus-RTU
Authentication	RFID / No authentication
Mechanical	
Dimension (W × H × D)	660 × 420 × 207 mm
Weight	47 kg
Cooling	Air Cooling
Protection degree	IP65
Installation method	Wall / Pole Installation
Function	
Operating temperature	-25°C to +70°C
Relative humidity	≤ 95%RH, non-condensing
Altitude	≤ 2000 m
Connector options	CCS1 / CCS2
Protection	Short-circuit protection, over/under voltage protection, overload protection, over-temperature protection, reverse polarity protection, welded contactor check
User interface	LED, RFID, APP

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