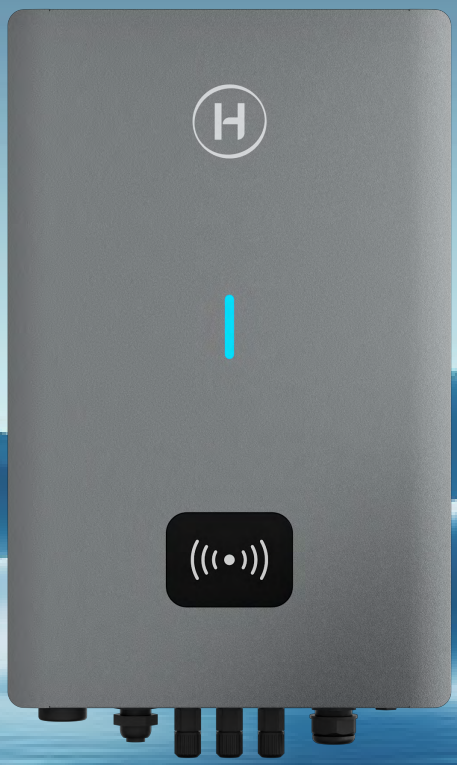
Hoymiles

Open Energy for All

# DC EV 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** | |
| Dimensions (W × H × D) | 660 × 420 × 207 mm |
| Weight | 50 kg |
| Cooling | Air Cooling |
| Protection degree | IP65 |
| Installation method | Wall / Pole Installation |
| **Function** | |
| Operating temperature | -25°C to +65°C (>50°C, derating) |
| 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 |
| MID meter integrated* | Optional |

*: The model with a built-in MID meter is HiOne-22VD-G3-MID. For more information, contact our sales team at sales@hoymiles.com.

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