DHI-ICS-A220E-H1D-Z

Intelligent EV Charger



- Supports charging through the app, Plug and Play and card swipe.
- Supports OCPP 1.6J.
- The working temperature is -30 °C to +50 °C (-22 °F to +122 °F).
- Supports integrated 30 mA Type A and 6 mA DC RCD protection functionality.
- Supports load balancing.
- Offers multiple safety protections.
- IP55 and IK10 rated.
- 3 year warranty.

Series Overview

D-Volt Air is a high-efficiency Electric Vehicle Supply Equipment (EVSE). It offers fast charging, robust safety mechanisms, and a user-friendly interface, providing a reliable and convenient EV charging experience.

Functions

Multiple Start Methods

Charging can be easily initiated through App, RFID or Plug and Play.

Current Adjustment

The current can be adjusted from 6 A to 32 A. The EV Charger also has protection against overloads and safely uses home electricity, while providing fast charging at maximum power.

Scheduled Charging

Charging can be scheduled and energy levels customized. By selecting the most convenient charging periods, you can reduce electricity costs and ease the load on the power grid. Additionally, you can tailor the amount of energy for charging your vehicle based on the actual demands of its battery. This approach minimizes float charging and helps protect the battery.

Intelligent Operation and Maintenance

Supports error alarms, OTA update, DSO control, remote control and restart.

Protection Capabilities

Comes with protection against overvoltage, undervoltage, overcurrent, short circuits, lightning surges, electric surges, leakage, overtemperature, metering failure, CP disconnection, and vehicle PE disconnection. It can also detect relay sticking and LN reverse connection, and offers grounding protection, PEN protection, and data security. The EV Charger is also dustproof and waterproof so that you can feel secure and comfortable while using it.

Scene

Suitable for installation in homes to charge new energy vehicles.

Technical Specification

Electrical

Rated Power	22 kW
Input Voltage	400 VAC ± 15%
Rated Input Frequency	50/60 Hz
Output Voltage	400 VAC ± 15%
Output Current	32 A max
Overcurrent Protection	If the maximum output current of the EV Charger is higher than 20 A, check whether the actual output current exceeds 1.1 times the maximum output current. If the maximum output current of the EV Charger is equal to or less than 20 A, check whether the actual output current exceeds the maximum output current by 2 A.

Basic

Charging Mode	Mode 3 charging
Leakage Protection	Type A+DC 6 mA
Types of Protection	Protects against overvoltage, undervoltage, short circuit, overtemperature, overcurrent, relay adhesion, measurement failure, and leakage. It can also support grounding protection.
Cooling Method	Self-cooling method
Communication Protocol (with Backend)	OCPP1.6J
Connection Mode	Charging socket with shutter
ROHS	Yes
Measurement Accuracy	Level 1

Function

Startup Method	APP charging, plug and play, card swiping charging
Network Connection	Wi-Fi or Ethernet
Status Indicator Light	Yellow: Device starting Green flashing: Connected Blue flashing: Charging Green flashing: Charging stopped Red flashing: Fault Yellow: Upgrading Green: Available Blue: Reserved
Bluetooth	Yes
Auto Timing	Yes
Update	OTA, Bluetooth and USB upgrade

Structure

Casing Material	PC
Installation	Wall-mounted and floor-stand
Wiring Method	Downward incoming wire and downward outgoing wire
Product Dimensions	443.0 mm × 273.0 mm × 171.5 mm (17.44" × 10.75" × 6.75") (H × W × D)
Packaging Dimensions	606.0 mm × 423.0 mm × 409.0 mm (23.86" × 16.65" × 16.10") (L × W × H)
Net Weight	6.0 kg ± 0.5 kg (13.23 lb ± 1.10 lb)
Gross Weight	12.0 kg ± 1.0 kg (26.46 lb ± 2.20 lb)

Environment

Operating Temperature	–30 °C to +50 °C (–22 °F to +122 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Altitude	≤2,000 m (6,561.68 ft)
Protection	IP55
Vandal-proof Rating	IK10

External Port

Power Input Port	L1+L2+L3+N+PE
Power Output Port	L1+L2+L3+N+PE
Charging Port	Type 2 (IEC 62196-2)

Intelligence

Load Balancing	Yes
Current Adjustment	Yes
Reservation	Yes
Jump-start Charging	Yes

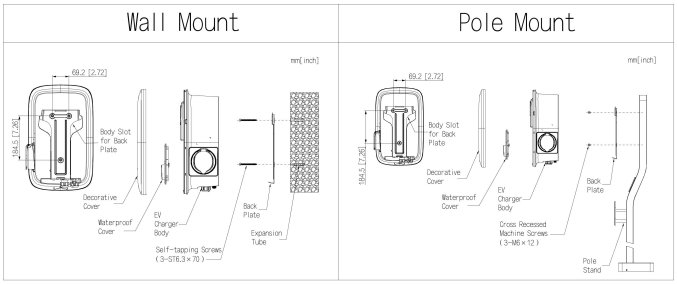
Certification

Certifications	IEC 61851-1, IEC 62196-2

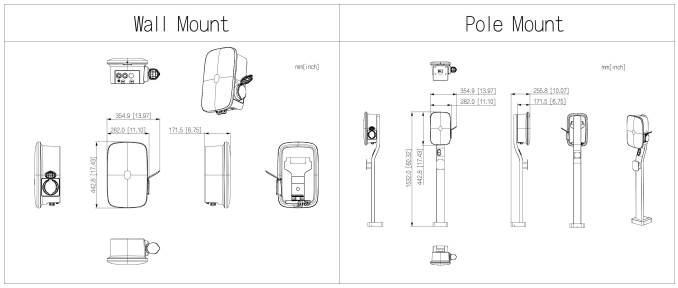
Ordering Information

Type	Model	Description
Intelligent EV Charger	DHI-ICS-A220E-H1D-Z	Intelligent EV Charger

Installation



Dimensions (mm[inch])



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