

DHI-ICS-A070G-H6A

Intelligent EV Charger



Series Overview

Intelligent EV Charger 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

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.

Multiple Start Methods

Highly flexible, the charger can be easily started and stopped through the app, scheduled charging and Plug and Play, making it suitable for a wide variety of scenes and usage habits.

- As a smart AC EV charger, this device delivers power via a single-phase 220 VAC connection with a rated output of 7 kW. The power level can be freely adjusted to suit your needs.
- Features an elegant curved design and a convenient front cable connection that simplifies installation.
- Each charge can be conveniently started by simply swiping the card, scheduling the charge or utilizing Plug and Play. Multiple services are also offered such as app management and shared access to private chargers. The device also comes with robust charging protection.
- With an IP66 and IK10 rating, it offers excellent dust and water resistance, as well as vandal-proof protection, making it suitable for both indoor and outdoor installations while ensuring a convenient and secure charging experience.

Scene

Home EV charging station for new energy vehicles.

Technical Specification

Electrical	
Rated Power	7 kW
Input Voltage	220 VAC ± 20%
Input Frequency	50 Hz ± 1 Hz
Output Voltage	220 VAC ± 20%
Output Currency	Max 32 A
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.
Standby Power Consumption	≤ 6 W

Basic	
Charging Mode	Mode 3
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 also supports grounding protection and emergency stop protection.
Cooling Method	Self-cooling
Connection Mode	Charging cable
ROHS	Yes
Measurement Accuracy	Level 1

Function	
Charging Method	Charging through the app, plug and play and swiping the card
Indicator Light	Blue: Device updating Yellow: Fault Green: Standby Red: Charging
Bluetooth	Yes
Auto Timing	Yes
Update	Update through Bluetooth and USB

Structure	
Casing Material	PC
Installation	Wall Mount, Floor Mount
Wiring Method	Downward incoming wire and downward outgoing wire
Product Dimensions	448.9 mm × 208.5 mm × 284.3 mm (17.67" × 8.21" × 11.19") (H × W × D). This height includes the height of the connector.
Packaging Dimensions	289 mm × 478 mm × 285.5 mm (11.38" × 18.82" × 11.24") (H × W × D)
Net Weight	3.9 kg (8.60 lb)
Gross Weight	5.2 kg (11.46 lb)

Cable Length	5 m (16.40 ft). This length includes the length of the connector.
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Environment	
Operating Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Humidity	5%–95% (RH)
Operating Altitude	≤ 2,000 m (6,561.68 ft)
Protection	IP66
Vandal-proof Rating	The EV Charger is IK10, and its screen is IK08.
Noise Level	≤55 dB

Output Port	
Power Input Port	L+N+PE
Power Output Port	L+N+PE
Charging Port	GB (GB/T 20234.2)

Specialized Function	
Current Adjustment	Yes
Schedule Charge	Yes
Shared Charging	Yes

Certification	
Certifications	GB 18487.1, GB20234.2

Ordering Information

Type	Model	Description
Intelligent EV Charger	DHI-ICS-A070G-H6A	Intelligent EV Charger

Installation



