GOODWE

# HCA G3 Series 7/11/22kW

AC EV Charger

## Future-Ready Smart EV Charger
## Prepared for Future V2X*



## AI Smart Charging

Charge at the Right Time.




Requires EzManager3000

## Dynamic Load Management

Power Shared Intelligently



## Tethered or Socket



TETHERED
7.5 m · IP65

TYPE 2 SOCKET
WITH SHUTTER (T2S) · IP54

## Two Ways to Install



WALL

FLOOR · OPTIONAL STAND

## <20 dB

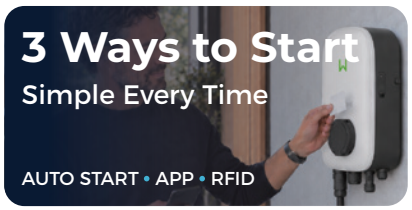
Quiet by Design
Made for residential settings.



## 3 Ways to Start

Simple Every Time

AUTO START • APP • RFID



## Open Connectivity

OCPP 1.6J
ISO 15118
Built-in 4G LTE†



## V2X

Future V2X Capability

EV ⟷ 🏠

Bidirectional Energy for Home and Grid*



## PV. Storage. EV.

One app. One system. One supplier.

Requires EzManager3000



## 5 Charging Modes

Charge Your Way

FAST · PV · PV+BAT · SCHEDULE · AI



* Smart energy features, including AI charging and system integration, require the EzManager3000 HEMS gateway.

* ¹ V2X, OCPP 2.0.1 / 2.1 are not available in the current version. Availability in later versions is subject to product updates. V2X additionally requires a vehicle OBC supporting bidirectional power transfer.

* Built-in 4G LTE module and SIM slot; SIM card and mobile data plan are not included.

# HCA G3 Series

GOODWE

| Technical Data | GW7K-HCA-G30 | GW11K-HCA-G30 | GW22K-HCA-G30 |
|---|---|---|---|
| **Input / Output** | | | |
| Rated Power (kW) | 7 | 11 | 22 |
| Nominal Voltage (V) | 230, L / N / PE | 400, 3L / N / PE | 400, 3L / N / PE |
| Nominal Frequency (Hz) | | 50 / 60 | |
| Rated Current (A) | 32 | 16 | 32 |
| **Protection** | | | |
| Residual Current Protection | | AC 30mA + DC 6mA | |
| Overcurrent Protection | | Integrated | |
| Overvoltage Protection | | Integrated | |
| Over Temperature Protection | | Integrated | |
| Ground Fault Protection | | Integrated | |
| AC Surge Protection | | Type II | |
| Protection Class | | Class I | |
| **Function / Communication** | | | |
| User Interface | | WLAN + APP, LED | |
| Start Method | | AUTO Start / APP / RFID | |
| Communication | | Bluetooth, WiFi, 4G, RS485 (×2), LAN | |
| Communication with Vehicle | | PLC | |
| Communication with Back-end | | OCPP 1.6J | |
| Communication Protocol | | Modbus TCP | |
| Working Mode | | Fast Charging<br>PV Priority<br>PV + BAT<br>Scheduled Charging<br>AI Smart Charging*1 | |
| Dynamic Load Management*2 | | Integrated | |
| Phase Switching | | Integrated | |
| Energy Metering | | Integrated Chips, MID (Optional) | |
| **General Data** | | | |
| Operating Temperature Range (°C) | | -30 ~ +50*3 | |
| Operating Environment | | Indoors or Outdoors | |
| Relative Humidity | | 5% ~ 95% | |
| Max. Operating Altitude (m) | | 2000 | |
| Weight (kg) | 6.0 / 3.5 (Socket) | 7.0 / 4.0 (Socket) | 7.0 / 4.0 (Socket) |
| Dimension (W × H × D mm) | | 235 × 360 × 110 | |
| Noise Emission (dB) | | <20 | |
| Ingress Protection Rating | | IP65*4 | |
| Impact Resistance | | IK09 | |
| Connector | | Type 2, Plug with 7.5m Cable / Socket with shutter | |
| Mounting Method | | Wall / Floor (Optional Stand) | |

*1: For AI fuction needs to be used with Home Energy Management System.
*2: For DLB function needs to be used with inverter or meter.
*3: Operating Temperature Range (°C): Charger is -30 ~ +55°C and Charging Plug is 50°C.
*4: For Socket version is IP54.
*: Smart energy features (AI charging, group load management, system integration, multi-charger networking) require the EzManager3000 HEMS gateway.
*: Please visit GoodWe website for the latest certificates.

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