

GOODWE

HCA G2 Series

EV Charger | Single Phase- 7kW
Three Phase - 11/22kW

GoodWe's HCA G2 EV Charger enables drivers to maximize solar energy usage when charging their electric vehicles (EV) through its smart phase switching function. It seamlessly integrates with the PV system's inverter and battery, allowing flexible charging options - either fully from solar power or a quick top-up from the grid, with customizable modes managed via the GoodWe SEMS+ app. Additionally, the HCA G2 supports multiple authentication methods, providing transparency on energy costs for account splitting and reimbursement, making it ideal for drivers, employers, and lease companies.



Modern & User-friendly Design

- Easy installation and maintenance with a novel design
- Wall-mounted or pole-mounted installation



Superb Safety & Reliability

- External emergency shutdown switch
- AC surge protection type III



Smart Control & Monitoring

- Intelligent monitoring & scheduling
- Dynamic load control



Flexible & Adaptable Applications

- Compatible with all branded EVs
- Support multiple authentication methods
- Flexible networking solutions through WIFI, RS485, LAN communication



Technical Data	GW7K-HCA-20	GW11K-HCA-20	GW22K-HCA-20
Input			
Nominal Input Voltage (V)	230 ^{*3} , L / N / PE	400 ^{*3} , 3L / N / PE	400 ^{*3} , 3L / N / PE
Nominal Input Current (A)	32	16	32
Nominal AC Grid Frequency (Hz)		50 / 60	
Output			
Nominal Output Power (W)	7000	11000	22000
Nominal Output Voltage (V)	230	400	400
Nominal Output Current (A)	32	16	32
Nominal Output Frequency (Hz)		50 / 60	
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 III	
Emergency Power Off		Integrated	
General Data			
Operating Temperature Range (°C)		-30 ~ +50 ^{†1}	
Relative Humidity		5% ~ 95% (Non-Condensing)	
Max. Operating Altitude (m)		2000	
Cooling Method		Natural Convection	
User Interface		WLAN + APP, LED	
Start Method		APP, RFID, AUTO Start	
Communication		Bluetooth, Wi-Fi, RS485 (x2), LAN	
Working Mode		Fast Charging PV Priority PV + BATT Scheduled Charging Dynamic Load Control	
Weight (kg)	5.2 (With 6m Cable) 5.6 (With 7.5m Cable)	5.4 (With 6m Cable) 5.6 (With 7.5m Cable)	6.4 (With 6m Cable) 7.1 (With 7.5m Cable)
Dimension (W x H x D)		208 x 450 x 170	
Noise Emission (dB)		<20	
Standby Power (W)		<6.5	
Ingress Protection Rating		IP66 ^{*2}	
Output Cable & Connector		6m Cable (7.5m optional) IEC Type2	
Accessories		RFID Card x 2	
Installation		Indoors or Outdoors	
Communication Protocol		Modbus TCP	
Protection		External Type A RCD is needed	
Mounting Method		Wall / Floor (Optional Stand)	
Certifications		IEC61851-1 IEC62311 IEC62955 AS / NZS 4268:2017 IEC61008-1	

*1: Operating Temperature Range (°C): Charger is -30 ~ +55°C, and Charging Plug is 50°C.

*2: Ingress Protection Rating: Charging Plug IEC type 2 is IP55.

*3: For Brazil: GW7K-HCA-20 is 220, L / N / PE, GW11K-HCA-20 and GW22K-HCA-20 is 380, 3L / N / PE.

†: Please visit GoodWe website for the latest certificates.