GOODWE

Smart and flexible EV charging for green and cost-efficient mobility

- Maximized self-consumption
- Highest safety standards
- Modern and compact design
- Multiple operation modes

GoodWe's HCA G2 EV charger allows drivers to maximise the use of solar energy by charging their Electric Vehicles (EV) with smart phase switching function. By seamlessly communicating with the PV system's inverter and battery, the EV charger offers the flexibility to completely charge using solar energy or to also quickly top-up from the grid if needed with user configurable multiple charging modes, all managed within GoodWe's SEMS+ app. Moreover, by supporting multiple authentication methods, the HCA G2 EV charger offers drivers, employers and lease companies transparency on charging energy costs for account splitting and reimbursement.



- Smart charging management
- Compatible with all EV brands
- Optimized for GoodWe inverters

HCA G2 Series AC EV Charger I 22kW I 11kW I 7kW I Single / Three Phase **EMEA**

HCA G2 Series

GOODWE

Technical Data	GW7K-HCA-20	GW11K-HCA-20	GW22K-HCA-20
Input			
Nominal Input Voltage (V)	230, L / N / PE	400, 3L / N / PE	400, 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 (×2), LAN	
Working Mode		Fast Charging PV Priority PV + BATT Scheduled Charging Dynamic Load Control	
Weight (kg)	5.6	5.6	7.1
Dimension (W × H × D)		208 × 450 × 170	
Noise Emission (dB)		<20	
Standby Power (W)		<6.5	
Ingress Protection Rating		IP66[*2]	
Output Cable & Connector		7.5m Cable IEC Type2	
Accessories		RFID Card × 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.
*: Please visit GoodWe website for the latest certificates.

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This datasheet provides information about products offered in the EMEA region.