



GOODWE

Smart and flexible EV charging for environmentally friendly and cost-efficient mobility

- ✓ Maximised self-consumption
- ✓ Highest safety standards
- ✓ Modern and compact design
- ✓ Multiple operating modes

GoodWe's HCA G2 EV Wallbox enables drivers to maximise the use of solar energy by charging their electric vehicles (EVs) with an intelligent phase switching function. Seamlessly communicating with the PV system's inverter and battery, the EV charger offers the flexibility to charge entirely with solar energy or quickly top up from the grid when needed, with multiple user-configurable charging modes, all managed through GoodWe's SEMS+ app. In addition, by supporting multiple authentication methods, the HCA G2 EV charger provides drivers, employers and leasing companies with transparency on charging energy costs for cost allocation and reimbursement.



intelligent charging

management Compatible with all EV
brands



Optimised for GoodWe inverters



**HCA G2
Series**

AC EV Charger | 22kW | 11kW | 7kW | Single-phase / Three-phase

EMEA

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
AC rated mains frequency (Hz)		50 / 60	
Output			
Nominal output power (W)	7000	11,000	2200
Nominal output voltage (V)	230	400	400
Nominal output current (A)	32	16	32
Nominal output frequency (Hz)		50 / 60	
Protection			
Fault current protection		AC 30mA + DC 6mA	
Overcurrent protection		Integrated	
Overvoltage protection		Integrated	
Overtemperature protection		Integrated	
Earth fault protection		Integrated	
AC surge arrester		Type III	
Emergency stop		Integrated	
General data			
Operating temperature range (°C)		-30 ~ +50	
Relative humidity		5% ~ 95% (non-condensing)	
Max. operating altitude (m)		2000	
Cooling method		Natural convection	
Display		WLAN + APP, LED	
Start method		APP, RFID, automatic start	
Communication		Bluetooth, Wi-Fi, RS485 (×2), LAN	
Working mode Fast charging		Fast charging PV priority PV + BATT Scheduled charging Dynamic load control	
Weight (kg)	5.6	5.6	7.1
Dimensions (W × H × D mm)		208 × 450 × 170	
Noise emissions (dB)		<20	
Power consumption (W)		<6.5	
Protection class against ingress		IP66 ^{*2}	
Output cable and connector		7.5 m cable IEC type 2	
Accessories		RFID card × 2	
Installation		Indoors or outdoors	
Communication protocols		Modbus TCP	
Protection		An external type A RCD is required	
Mounting method		Wall or floor (optional stand)	
Certification		IEC61851-1 IEC62311 IEC62955 AS/NZS 4268:2017 IEC61008-1	

*1: Operating temperature range (°C): The charger is -30 ~ +55°C, and the charging plug is 50°C.

*2: Protection class against ingress: IEC Type 2 charging plug is IP55.

*: Current certificates can be found on the GoodWe website.