

GOODWE

HCA Series

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

The GoodWe HCA EV Charger allows homeowners to use the energy drawn from PV rooftops to charge electric vehicles (EVs), providing a highly cost-effective and environmental-friendly option for fast charging of EVs at home. With a GoodWe HCA EV Charger paired with a PV and energy storage system, EVs can be charged for free with 100% surplus solar energy. Moreover, by integrating seamlessly with GoodWe's monitoring platform SEMS, the PV and charging systems can be managed with a single app, allowing homeowners to monitor, control, and optimize EV charging anywhere. Its compact and lightweight design makes it easy to install and maintain.



Modern & User-friendly Design

- Easy to install and maintain
- Wall-mounted or pole-mounted design



Superb Safety & Reliability

- Built-in Type II SPD
- IP66 design for indoor/outdoor use



Remote Control & Monitoring

- Intelligent monitoring & scheduling
- Manage PV and charging systems via SEMS



Flexible & Adaptable Applications

- Compatible with all branded EVs
- Integrates with new & existing PV and storage systems



Technical Data	GW7K-HCA	GW11K-HCA	GW22K-HCA
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, L / N / PE	400, 3L / N / PE	400, 3L / N / PE
Nominal Output Current (A)	32	16	32
Nominal Output Frequency (Hz)		50 / 60	
Protection			
Residual Current Protection		6mA DC	
Overcurrent Protection		Integrated	
Short Circuit Protection		Integrated	
Overvoltage Protection		Integrated	
Over Temperature Protection		Integrated	
Ground Fault Protection		Integrated	
AC Surge Protection		Type II	
Emergency Power Off		Integrated	
General Data			
Operating Temperature Range (°C)		-30 ~ +50	
Relative Humidity		5% ~ 95% (Non-condensing)	
Max. Operating Altitude (m)		2000	
Cooling Method		Natural Convection	
User Interface		LED	
Start Method		APP	
Communication		Bluetooth + WiFi	
Communication Protocols		GOODWE	
Weight (kg)	5	6	6
Dimension (W × H × D mm)		208 × 450 × 150	
Noise Emission (dB)		<20	
Standby Power (W)		<6	
Ingress Protection Rating		IP66 ^{*1}	
Output Cable & Connector		6m Cable (5m Optional) IEC Type2	
Installation		Indoor or Outdoor	
Mounting Method		Wall or Floor (With floor post Optional)	
RCD ^{*2}		Type A (30mA, Optional, External)	
Certification		IEC61851-1-2017, IEC 62955 ^{*2} , CE, UKCA	

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

*2: To achieve IEC62955, Type A (30mA) RCD must be installed. Customers can purchase from GW or third party manufacturer.

*: Please visit GoodWe website for the latest certificates.