




Solar-powered EV charging for green and cost-efficient transportation

- ✓ Maximized self-consumption
- ✓ Smart and efficient operations
- ✓ Modern and compact design
- ✓ Highest safety standards

With rising energy prices on one side and falling feed-in-tariffs on the other, owners of residential solar rooftops are well-advised to maximise self-consumption of the generated PV power. By extending the PV and energy storage system to include charging of electric vehicles (EVs), a high degree of energy independence can be secured. Connecting the EV charger with any GoodWe inverter via the SEMS communication platform enables Solar Charging. All GoodWe storage inverters with batteries provide additional Hybrid Charging options.

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



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 x H x D mm)		208 x 450 x 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.