




## 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
<b>Input</b>			
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	
<b>Output</b>			
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	
<b>Protection</b>			
Residual Current Protection		Integrated	
Overcurrent Protection		Integrated	
Short Circuit Protection		Integrated	
Overvoltage Protection		Integrated	
Over Temperature Protection		Integrated	
Ground Fault Protection		Integrated	
AC Surge Protection		Type III	
Emergency Power Off		Integrated	
<b>General Data</b>			
Operating Temperature Range (°C)		-30 ~ +55	
Relative Humidity		5% ~ 95% (Non-condensing)	
Max. Operating Altitude (m)		2000	
Cooling Method		Natural Convection	
User Interface		APP, LED	
Start Method		WLAN + APP	
Communication		Bluetooth, Wi-Fi	
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 <sup>*1</sup>	
Output Cable & Connector		6m Cable IEC Type2	
Installation		Indoors or outdoors	
Mounting Method		Wall / Floor (With floor post)	
RCD		Type A + 6mA DC Fault Current Protection	
Certification		IEC61851-1-2017, IEC 62955, CE, UKCA	

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

\*: Please visit GoodWe website for the latest certificates.