

Technical Data	GW7K-HCA-G30	GW11K-HCA-G30	GW22K-HCA-G30	GW7K-HCA-UK-G30	GW11K-HCA-UK-G30	GW22K-HCA-UK-G30
Input / Output						
Rated Power (kW)	7	11	22	7	11	22
Nominal Voltage (V)	230, L/N/PE	400, 3L/N/PE	400, 3L/N/PE	230, L/N/PE	400, 3L/N/PE	400, 3L/N/PE
Nominal Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Rated Current (A)	32	16	32	32	16	32
Protection						
Residual Current Protection	AC 30mA+ DC 6mA	AC 30mA+ DC 6mA	AC 30mA+ DC 6mA	AC 30mA+ DC 6mA	AC 30mA+ DC 6mA	AC 30mA+ DC 6mA
Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Over Temperature Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistance Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Ground Fault Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Surge Protection	Type III	Type III	Type III	Type III	Type III	Type III
Open PEN Detection (BS 7671)	/	/	/	Integrated	Integrated	Integrated
Protection Class	Class I	Class I	Class I	Class I	Class I	Class I
Function/Communication						
User Interface	WLAN+APP, LED	WLAN+APP, LED	WLAN+APP, LED	WLAN+APP, LED	WLAN+APP, LED	WLAN+APP, LED
Start Method	AUTO Start/APP/RFID (ISO/IEC 14443A)	AUTO Start/APP/RFID (ISO/IEC 14443A)	AUTO Start/APP/RFID (ISO/IEC 14443A)	AUTO Start/APP/RFID (ISO/IEC 14443A)	AUTO Start/APP/RFID (ISO/IEC 14443A)	AUTO Start/APP/RFID (ISO/IEC 14443A)
Communication	Bluetooth, WiFi, RS485, LAN	Bluetooth, WiFi, RS485, LAN	Bluetooth, WiFi, RS485, LAN	Bluetooth, WiFi, 4G, RS485, LAN	Bluetooth, WiFi, 4G, RS485, LAN	Bluetooth, WiFi, 4G, RS485, LAN
Communication with Vehicle	PLC (ISO 15118)	PLC (ISO 15118)	PLC (ISO 15118)	PLC (ISO 15118)	PLC (ISO 15118)	PLC (ISO 15118)
Communication with Back-end	OCPP 1.6J OCPP 2.0.1(coming soon)	OCPP 1.6J OCPP 2.0.1(coming soon)	OCPP 1.6J OCPP 2.0.1(coming soon)	OCPP 1.6J OCPP 2.0.1(coming soon)	OCPP 1.6J OCPP 2.0.1(coming soon)	OCPP 1.6J OCPP 2.0.1(coming soon)
Communication Protocol	Modbus TCP	Modbus TCP	Modbus TCP	Modbus TCP	Modbus TCP	Modbus TCP
Working Mode	Fast Charging PV Priority PV+BAT Scheduled Charging AI Smart Charging**	Fast Charging PV Priority PV+BAT Scheduled Charging AI Smart Charging**	Fast Charging PV Priority PV+BAT Scheduled Charging AI Smart Charging**	Fast Charging PV Priority PV+BAT Scheduled Charging AI Smart Charging**	Fast Charging PV Priority PV+BAT Scheduled Charging AI Smart Charging**	Fast Charging PV Priority PV+BAT Scheduled Charging AI Smart Charging**
Dynamic Load Management**	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Phase Switching	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Energy Metering	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated

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General Data						
Operating Temperature Range (°C)	-30~+50 ^{*3}	-30~+50 ^{*3}	-30~+50 ^{*3}	-30~+50 ^{*3}	-30~+50 ^{*3}	-30~+50 ^{*3}
Operating Environment	Indoors or Outdoors	Indoors or Outdoors	Indoors or Outdoors	Indoors or Outdoors	Indoors or Outdoors	Indoors or Outdoors
Relative Humidity	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%	5% ~ 95%
Max. Operating Altitude (m)	2000	2000	2000	2000	2000	2000
Cooling Method	Natural Convection	Natural Convection	Natural Convection	Natural Convection	Natural Convection	Natural Convection
Weight (kg)	6.2/5.2 (Soket)	6.3/5.3 (Soket)	6.9/5.9 (Soket)	6.2/5.2 (Soket)	6.3/5.3 (Soket)	6.9/5.9 (Soket)
Dimension (W×H×D mm)	235*360*110	235*360*110	235*360*110	235*360*110	235*360*110	235*360*110
Noise Emission (dB)	<20	<20	<20	<20	<20	<20
Standby Power (W)	<6.5	<6.5	<6.5	<6.5	<6.5	<6.5
Ingress Protection Rating	IP65 ^{*4}	IP65 ^{*4}	IP65 ^{*4}	IP65 ^{*4}	IP65 ^{*4}	IP65 ^{*4}
Impact resistance	IK08	IK08	IK08	IK08	IK08	IK08
Connector	Type 2, Plug with 7.5m Cable / Socket with shutter	Type 2, Plug with 7.5m Cable / Socket with shutter	Type 2, Plug with 7.5m Cable / Socket with shutter	Type 2, Plug with 7.5m Cable / Socket with shutter	Type 2, Plug with 7.5m Cable / Socket with shutter	Type 2, Plug with 7.5m Cable / Socket with shutter
Accessories	RFID Card×2	RFID Card×2	RFID Card×2	RFID Card×2	RFID Card×2	RFID Card×2
MTBF (h)	100,000	100,000	100,000	100,000	100,000	100,000
Mounting Method	Wall / Floor (Optional Stand)	Wall / Floor (Optional Stand)	Wall / Floor (Optional Stand)	Wall / Floor (Optional Stand)	Wall / Floor (Optional Stand)	Wall / Floor (Optional Stand)

*1: For AI fuction needs to be used with Home Energy Management System;

*2: For DLB function needs to be used with inverter or meter.

*3: Operating Temperature Range (°C): Charger is -30~+55°C, and Charging Plug is -30~50°C

*4: For Soket version is IP54.