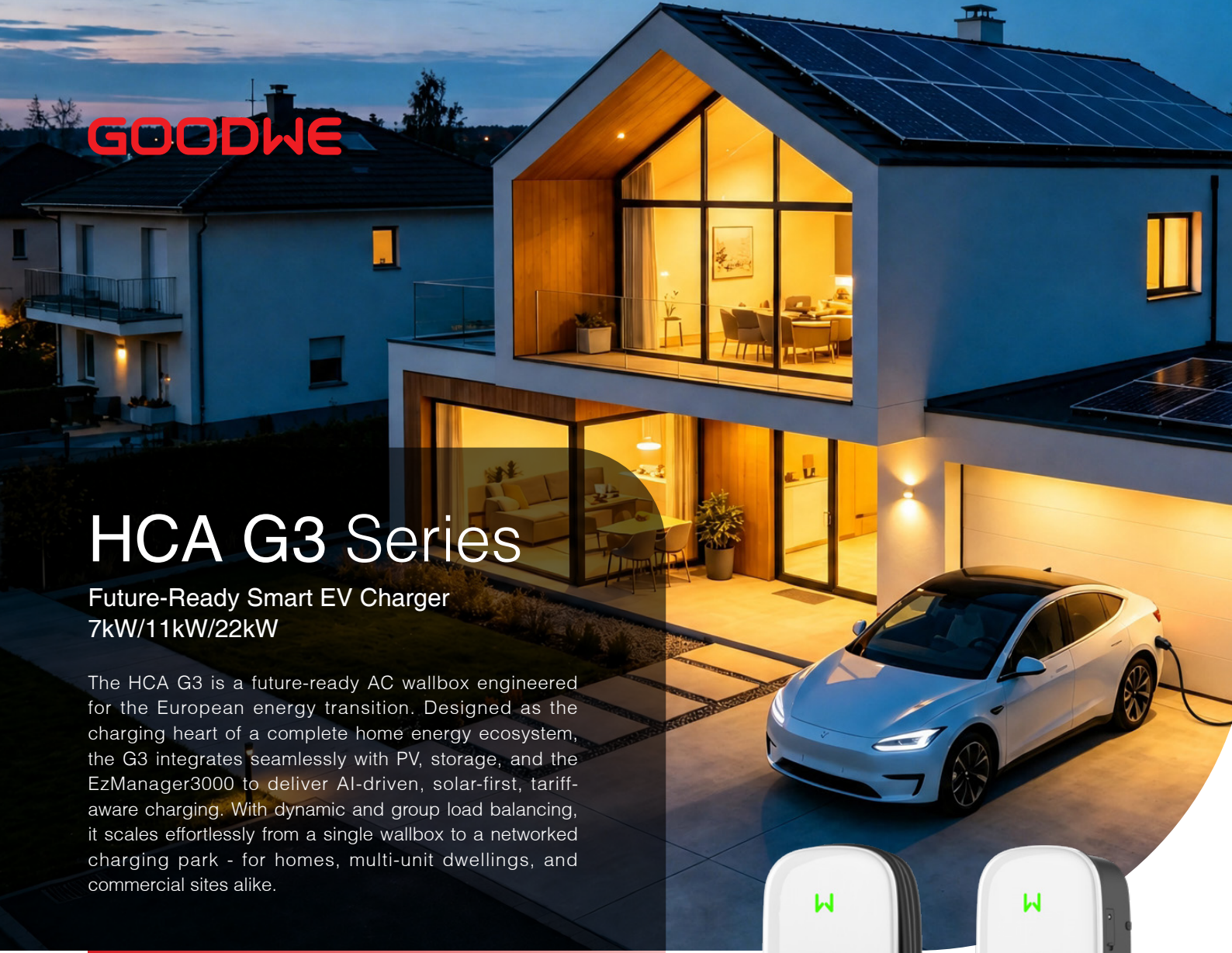




GOODWE

HCA G3 Series

Future-Ready Smart EV Charger
7kW/11kW/22kW

The HCA G3 is a future-ready AC wallbox engineered for the European energy transition. Designed as the charging heart of a complete home energy ecosystem, the G3 integrates seamlessly with PV, storage, and the EzManager3000 to deliver AI-driven, solar-first, tariff-aware charging. With dynamic and group load balancing, it scales effortlessly from a single wallbox to a networked charging park - for homes, multi-unit dwellings, and commercial sites alike.

COMING
SOON



FUTURE-READY | ISO 15118

- Turn your EV into a mobile power bank



SMART | AI Energy Charging

- Solar-first, dynamic tariff-aware, always lowest cost
- Fully automated via GoodWe EzManager3000



BALANCED | Dynamic Load Management

- Intelligent power allocation across chargers and other home loads
- Prevents overload, maximizes available capacity



INTEGRATED | Whole-Home Energy Ecosystem

- One system. One app. One supplier
- Seamless solar-to-vehicle energy flow



SCALABLE | Multi-Charger Networking

- From one wallbox to a full charging park
- OCPP-ready for open ecosystems



Technical Data	GW7K-HCA-G30	GW11K-HCA-G30	GW22K-HCA-G30
Input / Output			
Rated Power (kW)	7	11	22
Nominal Voltage (V)	230, L / N / PE	400, 3L / N / PE	400, 3L / N / PE
Nominal Frequency (Hz)		50 / 60	
Rated Current (A)	32	16	32
Protection			
Residual Current Protection	AC 30mA + DC 6mA		
Overcurrent Protection	Integrated		
Overvoltage Protection	Integrated		
Over Temperature Protection	Integrated		
Insulation Resistance Monitoring	Integrated		
Ground Fault Protection	Integrated		
AC Surge Protection	Type II		
Protection Class	Class I		
Function / Communication			
User Interface	WLAN + APP, LED		
Start Method	AUTO Start / APP / RFID		
Communication	Bluetooth, WiFi, RS485 (x2), LAN		
Communication with Vehicle	PLC		
Communication with Back-end	OCPP 1.6J		
Communication Protocol	Modbus TCP		
Working Mode	Fast Charging PV Priority PV + BAT Scheduled Charging AI Smart Charging ¹		
Dynamic Load Management ²	Integrated		
Phase Switching	Integrated		
Energy Metering	Integrated		
General Data			
Operating Temperature Range (°C)	-30 ~ +50 ³		
Operating Environment	Indoors or Outdoors		
Relative Humidity	5% ~ 95%		
Max. Operating Altitude (m)	2000		
Weight (kg)	6.2 / 5.2 (Soket)	6.3 / 5.3 (Soket)	6.9 / 5.9 (Soket)
Dimension (W × H × D mm)	235 × 360 × 110		
Noise Emission (dB)	<20		
Ingress Protection Rating	IP65 ⁴		
Impact Resistance	IK08		
Connector	Type 2, Plug with 7.5m Cable / Socket with shutter		
Mounting Method	Wall / Floor (Optional Stand)		

*1: For AI function 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 50°C.

*4: For Socket version is IP54.

*: Smart energy features (AI charging, group load management, system integration, multi-charger networking) require the EzManager3000 HEMS gateway.

*: Please visit GoodWe website for the latest certificates.

*: As a part of our policy of continuous improvement, we reserve the right to alter design and specifications without further notice.