

Compact and silent inverter for modern homes

- ✓ Maximised energy output
- ✓ Modern and compact design
- ✓ Smart and efficient operation
- ✓ Highest safety standards

Designed for high energy yields and silent operation, the XS G3 series is an ultra-small solar inverter for residential PV systems. Installed in the house or on an outside wall, it supports multiple smart home integration protocols and is compatible with high-power modules, catering up to 16A. Additional functionalities, including power export limiting and 24h load monitoring, can be provided with GoodWe accessories.

 Increased yield (110% AC power)

 Low start-up voltage

 Compact and lightweight



Technical Data	GW700- XS-30	GW1000- XS-30	GW1500- XS-30	GW2000- XS-30	GW2500- XS-30	GW3000- XS-30
Input						
Max. Input Voltage (V) ^{*1}				600		
MPPT Operating Voltage Range (V) ^{*2}	40 ~ 450	40 ~ 450	40 ~ 450	40 ~ 450	40 ~ 550	40 ~ 550
Start-up Voltage (V)				50		
Nominal Input Voltage (V)				360		
Max. Input Current per MPPT (A)				16		
Max. Short Circuit Current per MPPT (A)				25		
Number of MPP Trackers				1		
Number of Strings per MPPT				1		
Output						
Nominal Output Power (W)	700	1000	1500	2000	2500	3000
Nominal Output Apparent Power (VA)	700	1000	1500	2000	2500	3000
Max. AC Active Power (W)	700	1000	1500	2000	2500	3000
Max. AC Apparent Power (VA)	700	1000	1500	2000	2500	3000
Nominal Output Voltage (V)			220 / 230 / 240, L / N / PE			
Output Voltage Range (V) (According to local standard)			154 ~ 288			
Nominal AC Grid Frequency (Hz)			50 / 60			
AC Grid Frequency Range (Hz)			45 ~ 55 / 57 ~ 63			
Max. Output Current (A)	3.2	4.6	6.9	9.1	11.4	13.7
Power Factor		~ 1 (Adjustable from 0.8 leading to 0.8 lagging)				
Max. Total Harmonic Distortion			<3%			
Efficiency						
Max. Efficiency	97.0%	97.1%	97.2%	97.6%	97.6%	97.6%
European Efficiency	93.2%	95.0%	96.0%	96.8%	97.0%	97.1%
Protection						
PV String Current Monitoring				Integrated		
PV Insulation Resistance Detection				Integrated		
Residual Current Monitoring				Integrated		
PV Reverse Polarity Protection				Integrated		
Anti-islanding Protection				Integrated		
AC Overcurrent Protection				Integrated		
AC Short Circuit Protection				Integrated		
AC Overvoltage Protection				Integrated		
DC Switch				Integrated		
DC Surge Protection				Type III (Type II Optional)		
AC Surge Protection				Type III (Type II Optional)		
AFCI				Optional		
Remote Shutdown				Integrated		
Power Supply at Night				Optional		
PV Power Supply				Integrated		
General Data						
Operating Temperature Range (°C)				-25 ~ +60		
Relative Humidity				0 ~ 100%		
Max. Operating Altitude (m)				4000		
Cooling Method				Natural Convection		
User Interface				LCD, WLAN + APP		
Communication				RS485, WiFi, LAN or 4G or Bluetooth (Optional)		
Communication Protocols				Modbus RTU, Modbus TCP		
Weight (kg)				4.6		
Dimension (W × H × D mm)				306 × 218 × 119		
Noise Emission (dB)				<20		
Topology				Non-isolated		
Self-consumption at Night (W)				<3		
Ingress Protection Rating				IP66		
DC Connector				MC4 (4 ~ 6mm²)		
AC Connector				Plug and Play Connector		

*1: When the input voltage is 550-600V, the inverter will enter standby mode, and the voltage returns to 550V to enter the normal operation state.

*2: Please refer to the user manual for the MPPT Voltage Range at Nominal Power.

*: Please visit GoodWe website for the latest certificates.