

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.