

XS G3 Series

0.7-3.3kW | Single Phase | 1 MPPT

GoodWe XS G3 Series is a residential solar inverter that is designed for maximum convenience and efficiency. It is incredibly lightweight, weighing only 4.6kg and is as compact as an A4 paper, facilitating effortless installation and handling. It boasts an impressive 200% DC input oversizing and a maximum efficiency of 97.6%, ensuring maximum performance and energy generation for homeowners. In addition to its high efficiency, the inverter also offers a quiet operation with <20dB noise levels and IP66 ingress protection. Multiple communication options are supported for easy integration into a smart home system.



Smart Control & Monitoring

- 24/7 load consumption monitoring
- Export power limit



Superb Safety & Reliability

- IP66 ingress protection
- Optional AFCI¹
- Optional Type II SPD on both DC & AC sides¹



Friendly & Thoughtful Design

- Fanless design for quiet operation
- A4 size with lightweight



High Power Generation

- Max. 16A DC input current per string
- 200% DC input oversizing

Technical Data		GW700-XS-30	GW1000-XS-30	GW1500-XS-30	GW2000-XS-30	GW2500-XS-30	GW3000-XS-30	GW3300-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	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	3300
Nominal Output Apparent Power (VA)		700	1000	1500	2000	2500	3000	3300
Max. AC Active Power (W)		700	1000	1500	2000	2500	3000	3300
Max. AC Apparent Power (VA)		700	1000	1500	2000	2500	3000	3300
Nominal Output Voltage (V)					220 / 230 / 240, L / N / PE			
Output Voltage Range (V)					154 ~ 288 (according to local standard)			
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	15.0
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%	97.6%
European Efficiency		93.2%	95.0%	96.0%	96.8%	97.0%	97.1%	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					Optional			
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.

*: All pictures shown are for reference only. Actual appearance may vary.