

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	GW300 XS-30	
Input							
Max. Input Voltage (V)*1			6	00			
MPPT Operating Voltage Range (V)*2	40 ~ 450	40 ~ 450	40 ~ 450	40 ~ 450	40 ~ 550	40 ~ 55	
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 (A	djustable from 0.8	B leading to 0.8 la	agging)		
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 Integrated						
Remote Shutdown	Integrated Optional						
Power Supply at Night PV Power Supply	Optional 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)				.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 Pl	ay 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.