

GOODWE

XS PLUS+ Series

0.7-3kW | Single Phase | 1 MPPT

GoodWe XS PLUS+ is an ultra-small residential solar inverter specifically designed to bring comfort and quiet operation as well as high efficiency to households. Its capacity ranges from 0.7kW to 3.0kW and its most outstanding characteristic is lightweight, which is only 5.8kg and as well as its extremely compact size equivalent to an A4 paper, that make it particularly easy to carry & install. Remarkably, it offers 130% of DC input oversizing and 110% of AC output overloading, and it's able to achieve maximum European efficiency of 97.2% for maximum performance. Conveniently, the communication options available on this inverter are both LAN and WiFi for smart home integration.



Smart Control & Monitoring

- Load consumption monitoring
- Power export limit



High Power Generation

- Max. 15A DC input current per string
- 40V start-up voltage



Superb Safety & Reliability

- IP65 ingress protection
- Quality and robust components



Friendly & Thoughtful Design

- Fanless design for quiet operation
- A4 size with light weight

Technical Data	GW700-XS-11	GW1000-XS-11	GW1500-XS-11	GW2000-XS-11	GW2500-XS-11	GW3000-XS-11
Input						
Max. Input Voltage (V)	500	500	500	500	600	600
MPPT Operating Voltage Range (V)	40 ~ 450	40 ~ 450	50 ~ 450	50 ~ 450	50 ~ 550	50 ~ 550
Start-up Voltage (V)	40	40	50	50	50	50
Nominal Input Voltage (V)	360	360	360	360	360	360
Max. Input Current per MPPT (A)	15	15	15	15	15	15
Max. Short Circuit Current per MPPT (A)	18.75	18.75	18.75	18.75	18.75	18.75
Number of MPP Trackers	1	1	1	1	1	1
Number of Strings per MPPT	1	1	1	1	1	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)	800 ^{*1}	1100 ^{*1}	1650 ^{*1}	2200 ^{*1}	2750 ^{*1}	3300 ^{*1}
Max. AC Apparent Power (VA)	800 ^{*1}	1100 ^{*1}	1650 ^{*1}	2200 ^{*1}	2750 ^{*1}	3300 ^{*1}
Nominal Output Voltage (V)	230	230	230	230	220 / 230	220 / 230
Nominal AC Grid Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Max. Output Current (A)	3.5	4.8	7.2	9.6	12.0	14.3
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency						
Max. Efficiency	97.2%	97.2%	97.3%	97.5%	97.6%	97.6%
European Efficiency	96.0%	96.4%	96.6%	97.0%	97.2%	97.2%
Protection						
PV Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Type III (Type II Optional)					
AC Surge Protection	Type III	Type III	Type III	Type III	Type III	Type III
AFCI	Optional	Optional	Optional	Optional	Optional	Optional
Emergency Power Off	Optional	Optional	Optional	Optional	Optional	Optional
Remote Shutdown	Optional	Optional	Optional	Optional	Optional	Optional
General Data						
Operating Temperature Range (°C)	-25 ~ +60	-25 ~ +60	-25 ~ +60	-25 ~ +60	-25 ~ +60	-25 ~ +60
Relative Humidity	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%
Max. Operating Altitude (m)	3000	3000	3000	3000	3000	3000
Cooling Method	Natural Convection					
User Interface	LED, LCD, WLAN + APP					
Communication	WiFi or LAN or RS485 (Optional)					
Weight (kg)	5.8	5.8	5.8	5.8	5.8	5.8
Dimension (W x H x D mm)	295 x 230 x 113	295 x 230 x 113	295 x 230 x 113	295 x 230 x 113	295 x 230 x 113	295 x 230 x 113
Noise Emission (dB)	<25	<25	<25	<25	<30	<30
Topology	Non-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated	Non-isolated
Self-consumption at Night (W)	<1	<1	<1	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65	IP65
DC Connector	MC4 (2.5 ~ 4mm ²)					
AC Connector	plug and play connector					

*1: For Belgium, Max. Output Apparent Power (VA) and Max. AC Active Power (W): GW700-XS-11 is 700, GW1000-XS-11 is 1000, GW1500-XS-11 is 1500, GW2000-XS-11 is 2000, GW2500-XS-11 is 2500, GW3000-XS-11 is 3000.

*: Please visit GoodWe website for the latest certificates.