GOODWE

XS Series

0.7-3kW I Single Phase I 1 MPPT

GoodWe XS 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 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 Wi-Fi for smart home integration.

Smart Control & Monitoring

· Load consumption monitoring
· Power export limit

High Power Generation

· Up to 110% AC output overloading
· 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

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Technical Data	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS
Input						
Max. Input Voltage (V)	500	500	500	500	500	500
MPPT Operating Voltage Range (V)	40 ~ 450	40 ~ 450	50 ~ 450	50 ~ 450	50 ~ 450	50 ~ 450
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)	12.5	12.5	12.5	12.5	12.5	12.5
Max. Short Circuit Current per MPPT (A)	15.6	15.6	15.6	15.6	15.6	15.6
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	1100	1650	2200	2750	3300
Max. AC Apparent Power (VA)	800	1100	1650	2200	2750	3300
Nominal Output Voltage (V)	230	230	230	230	230	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
PV Reverse Polarity Protection	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 III	Type III	Type III	Type III	Type III
AC Surge Protection	Type III	Type III	Type III	Type III	Type III	Type III
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)*1	4000	4000	4000	4000	4000	4000
Cooling Method	Natural Convection					
User Interface	LED, LCD (Optional), WLAN + APP					
Communication	WiFi, LAN or RS485 (Optional)					
Weight (kg)	5.8	5.8	5.8	5.8	5.8	5.8
Dimension (W × H × D mm)	295 × 230 × 113					
Noise Emission (dB)	<25	<25	<25	<25	<42	<42
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 Australia, Max. Operating Altitude (m) is 3000.
*: Optional functions or devices are purchased separately.
*: All pictures shown are for reference only. Actual appearance may vary.
*: Please visit GoodWe website for the latest certificates.