

# GOODWE

## XS Series

0.7-3kW | Single Phase | 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

Technical Data	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS	GW2500N-XS	GW3000N-XS
<b>Input</b>								
Max. Input Voltage (V)	500	500	500	500	500	500	600	600
MPPT Operating Voltage Range (V)	40 ~ 450	40 ~ 450	50 ~ 450	50 ~ 450	50 ~ 450	50 ~ 450	50 ~ 550	50 ~ 550
Start-up Voltage (V)	40	40	50	50	50	50	50	50
Nominal Input Voltage (V)	360	360	360	360	360	360	360	360
Max. Input Current per MPPT (A)	12.5	12.5	12.5	12.5	12.5	12.5	13.0	13.0
Max. Short Circuit Current per MPPT (A)	15.6	15.6	15.6	15.6	15.6	15.6	16.3	16.3
Number of MPP Trackers	1	1	1	1	1	1	1	1
Number of Strings per MPPT	1	1	1	1	1	1	1	1
<b>Output</b>								
Nominal Output Power (W)	700	1000	1500	2000	2500	3000	2500	3000
Nominal Output Apparent Power (VA)	700	1000	1500	2000	2500	3000	2500	3000
Max. AC Active Power (W) <sup>1</sup>	800	1100	1650	2200	2750	3300	2750	3300
Max. AC Apparent Power (VA) <sup>2</sup>	800	1100	1650	2200	2750	3300	2750	3300
Nominal Output Voltage (V)	230	230	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	50 / 60	50 / 60
Max. Output Current (A)	3.5	4.8	7.2	9.6	12.0	14.3	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%	<3%	<3%
<b>Efficiency</b>								
Max. Efficiency	97.2%	97.2%	97.3%	97.5%	97.6%	97.6%	97.6%	97.6%
European Efficiency	96.0%	96.4%	96.6%	97.0%	97.2%	97.2%	97.2%	97.2%
<b>Protection</b>								
PV Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
PV Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overcurrent Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Short Circuit Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
AC Overvoltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Switch	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
DC Surge Protection	Type III	Type III	Type III	Type III	Type III	Type III	Type III (Type II Optional)	Type III (Type II Optional)
AC Surge Protection	Type III	Type III	Type III	Type III	Type III	Type III	type III	type III
AFCI	-	-	-	-	-	-	Optional	Optional
<b>General Data</b>								
Operating Temperature Range (°C)	-25 ~ +60	-25 ~ +60	-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%	0 ~ 100%	0 ~ 100%
Max. Operating Altitude (m) <sup>3</sup>	4000	4000	4000	4000	4000	4000	4000	4000
Cooling Method	Natural Convection							
User Interface	LED, LCD (Optional), WLAN + APP							
Communication	WiFi, LAN or RS485 (Optional)							
Communication Protocols	Modbus-RTU (SunSpec Compliant)							
Weight (kg)	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Dimension (W x H x D mm)	295 x 230 x 113							
Noise Emission (dB)	<25	<25	<25	<25	<42	<42	<42	<42
Topology	Non-isolated							
Self-consumption at Night (W)	<1	<1	<1	<1	<1	<1	<1	<1
Ingress Protection Rating	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
DC Connector	MC4 (2.5 ~ 4mm <sup>2</sup> )							
AC Connector	Plug and Play Connector							

\*1: For Belgium, Max. AC Active Power (W): GW700-XS is 700, GW1000-XS is 1000, GW1500-XS is 1500, GW2000-XS is 2000, GW2500-XS is 2500, GW2500N-XS is 2500, GW3000-XS is 3000, GW3000N-XS is 3000.  
 \*2: For Belgium, Max. Output Apparent Power (VA): GW700-XS is 700, GW1000-XS is 1000, GW1500-XS is 1500, GW2000-XS is 2000, GW2500-XS is 2500, GW2500N-XS is 2500, GW3000-XS is 3000, GW3000N-XS is 3000.

\*3: 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.