

# GOODWE

## XS Series

1.5-3kW | 1 MPPT | Single Phase

The brand new XS model from GoodWe is an ultra-small residential solar inverter ranging from 1.5kW to 3.0kW. It is specifically designed to bring comfort and quiet operation as well as high efficiency to households. With a fascia size equivalent to a sheet of A4 paper and a weight of just 5.8kg, installation is could not be more convenient.

Remarkably, it offers 130% of DC input oversizing and can achieve a maximum European efficiency of 97.2%. Communication options available on this inverter are both LAN and Wi-Fi.



A4 size fascia



130% DC oversizing



110% AC overloading



Lightweight



97.6% Max. efficiency



40V Start-up Voltage

Technical Data	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS	GW2500N-XS	GW3000N-XS
<b>Input</b>						
Max. Input Power (W)	1950	2600	3250	3900	3250	3900
Max. Input Voltage (V)	500	500	500	500	600	600
MPPT Operating Voltage Range (V)	50 ~ 450	50 ~ 450	50 ~ 450	50 ~ 450	50 ~ 550	50 ~ 550
Start-up Voltage (V)	50	50	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	13.0	13.0
Max. Short Circuit Current per MPPT (A) <sup>4</sup>	15.6	15.6	15.6	15.6	16.3	16.3
Number of MPP trackers	1	1	1	1	1	1
Number of Strings per MPPT	1	1	1	1	1	1
<b>Output</b>						
Nominal Output Power (W)	1500	2000	2500	3000	2500	3000
Nominal Output Apparent Power (VA)	1500	2000	2500	3000	2500	3000
Max. AC Active Power (W) <sup>1</sup>	1650	2200	2750	3300	2750	3300
Max. AC Apparent Power (VA) <sup>2</sup>	1650	2200	2750	3300	2750	3300
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)	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%
<b>Efficiency</b>						
Max. Efficiency	97.3%	97.5%	97.6%	97.6%	97.6%	97.6%
European Efficiency	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
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 II Optional)	Type III
AC Surge Protection	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
Relative Humidity	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
Cooling Method	Natural Convection					
Display	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
Dimension (W × H × D mm)	295 × 230 × 113	295 × 230 × 113	295 × 230 × 113	295 × 230 × 113	295 × 230 × 113	295 × 230 × 113
Noise Emission (dB)	<25	<25	<42	<42	<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 <sup>2</sup> )	MC4 (2.5 ~ 4mm <sup>2</sup> )	MC4 (2.5 ~ 4mm <sup>2</sup> )	MC4 (2.5 ~ 4mm <sup>2</sup> )	MC4 (2.5 ~ 4mm <sup>2</sup> )	MC4 (2.5 ~ 4mm <sup>2</sup> )
AC Connector	Plug and Play Connector					
Country of Manufacture	China	China	China	China	China	China

\*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.

\*4: For Australia Max. Short Circuit Current per MPPT (A) please refer to 'Manufacturer declaration: short circuit current'.

\*: Please visit GoodWe website for the latest certificates.