

# Bring The Sun Home

## XS Series

Single-MPPT, Single-Phase

- A4 size
- Light weight
- 30% DC oversizing
- 97% Europe efficiency
- LAN/WIFI communication



The brand new XS model of GoodWe 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 light weight, which is only 5.8kg and as well as its extremely small size equivalent to an A4 paper, that make it particularly easy to carry & install. Remarkably, it offers a 30% of DC input oversizing and it's able to achieve a maximum Europe efficiency of 97%. Conveniently, the communications options available on this inverter are both LAN & Wifi.

### Technical Data

	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS
<b>PV String Input Data</b>						
Max. DC Input Power (W)	910	1300	1950	2600	3250	3900
Max. DC Input Voltage (V)	500	500	500	500	500	500
MPPT Range (V)	50~450	50~450	50~450	50~450	50~450	50~450
Start-up Voltage (V)	50	50	50	50	50	50
MPPT Range for Full Load (V)	80~450	110~450	160~450	210~450	240~450	280~450
Nominal DC Input Voltage (V)	360	360	360	360	360	360
Max. Input Current (A)	12.5	12.5	12.5	12.5	12.5	12.5
Max. Short Current (A)	15.6	15.6	15.6	15.6	15.6	15.6
No. of MPP Trackers	1	1	1	1	1	1
No. of Input Strings per Tracker	1	1	1	1	1	1
<b>AC Output Data</b>						
Nominal Output Power (W)	700	1000	1500	2000	2500	3000
Max. Output Apparent Power (VA)	800	1100	1650	2200	2750	3300
Nominal Output Voltage (V)	230	230	230	230	230	230
Nominal Output 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	14.3
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
Output THDi (@Nominal Output)	<3%	<3%	<3%	<3%	<3%	<3%
<b>Efficiency</b>						
Max. Efficiency	97.2%	97.2%	97.3%	97.5%	97.4%	97.4%
Europe Efficiency	96.0%	96.4%	96.6%	97.0%	97.0%	97.0%
<b>Protection</b>						
Anti-islanding Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Input Reverse Polarity Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Insulation Resistor Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Current Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Short Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Output Over Voltage Protection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
<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%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling	Natural Convection					
Noise (dB)	<25	<25	<25	<25	<25	<25
User Interface	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED
Communication	WiFi	WiFi	WiFi	WiFi	RS485 or WiFi or LAN	RS485 or WiFi or LAN
Weight (kg)	5.8	5.8	5.8	5.8	5.2	5.2
Size (Width*Height*Depth mm)	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113
Protection Degree	IP65	IP65	IP65	IP65	IP65	IP65
Night Self Consumption (W)	<1	<1	<1	<1	<1	<1
Topology	Transformerless					

### Certifications & Standards

Grid Regulation	VDE0126-1-1, EN50438(PL), IEC61727, IEEE1547, G98, ABNT NBR 16149 : 2013	VDE0126-1-1, EN50438(PL)
Safety Regulation	IEC62109-1&-2	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	EN61000

○ ● Color Options