



GOODWE
YOUR SOLAR ENGINE

XS Series

0.7-3kW | 1 MPPT | Single Phase

The brand new XS model from 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 compact size equivalent to an A4 paper, that make it particularly easy to carry & install. Remarkably, it offers a 130% of DC input oversizing and it's able to achieve a maximum European efficiency of 97.2%. Conveniently, the communication options available on this inverter are both LAN and WiFi.



A4 size



130% DC oversizing



110% AC overloading



Light weight



97.6% Max. efficiency



Lowest start-up voltage @40V

Technical Data	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS
PV String Input Data						
Max. Input Power (W)	910	1300	1950	2600	3250	3900
Max. DC Input Voltage (V)	500	500	500	500	500	500
MPPT 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 Current per MPPT (A)	15.6	15.6	15.6	15.6	15.6	15.6
Number of MPPTs	1	1	1	1	1	1
Number of Strings per MPPT	1	1	1	1	1	1
AC Output Data						
Nominal Output Power (W)	700	1000	1500	2000	2500	3000
Nominal Output Apparent Power (VA)	700	1000	1500	2000	2500	3000
Max. Output Apparent Power (VA)	800*1	1100*1	1650*1	2200*1	2750*1	3300*1
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
Normal Output Current (A)	3	4.3	6.5	8.7	10.9	13
Output 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						
DC Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	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 Arrester	Type III	Type III	Type III	Type III	Type III	Type III
AC Surge Arrester	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%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling Method	Natural Convection					
Display	LED, LCD / Wi-Fi+APP / Bluetooth+APP					
Communication	WiFi / LAN / RS485					
Weight (Kg)	5.8	5.8	5.8	5.8	5.8	5.8
Size (Width × Height × Depth mm)	295 × 230 × 113					
Topology	Transformerless					
Night Power Consumption (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): GW700-XS is 700; GW1000-XS is 1000; GW1500-XS is 1500; GW2000-XS is 2000; GW2500-XS or GW2500N-XS is 2500; GW3000-XS or GW3000N-XS is 3000.
 *: Please visit GoodWe website for the latest certificates.

Color Options: White (EMEA), Red (None-EMEA)