

GOODWE

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	GW2500N-XS	GW3000N-XS
PV String Input Data								
Max. Input Power (W)	910	1300	1950	2600	3250	3900	3,250	3,900
Max. DC Input Voltage (V)	500	500	500	500	500	500	600	600
MPPT 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	13
Max. Short Current per MPPT (A)	15.6	15.6	15.6	15.6	15.6	15.6	16.3	16.3
Number of MPPTs	1	1	1	1	1	1	1	1
Number of Strings per MPPT	1	1	1	1	1	1	1	1
AC Output Data								
Nominal Output Power (W)	700	1000	1500	2000	2500	3000	2,500	3,000
Nominal Output Apparent Power (VA)	700	1000	1500	2000	2500	3000	2,500	3,000
Max. Output Apparent Power (VA)	800* ¹	1100* ¹	1650* ¹	2200* ¹	2750* ¹	3300* ¹	2750*	3300*
Nominal Output Voltage (V)	230	230	230	230	230	230	220/230	220/230
Nominal Output 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	14.3	12	14.3
Normal Output Current (A)	3	4.3	6.5	8.7	10.9	13	11.4/10.9	13.6/13
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)							
Max. Total Harmonic Distortion	<3%	<3%	<3%	<3%	<3%	<3%	<3%	<3%
Efficiency								
Max. Efficiency	97.2%	97.2%	97.3%	97.5%	97.6%	97.6%	97.60%	97.60%
European Efficiency	96.0%	96.4%	96.6%	97.0%	97.2%	97.2%	97.20%	97.20%
Protection								
DC Insulation Resistance Detection	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
Residual Current Monitoring Unit	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 Arrester	Type III	Type III	Type III	Type III	Type III	Type III	Type III(Type II Optional)	Type III
AC Surge Arrester	Type III	Type III	Type III	Type III	Type III	Type III	type III	type III
DC Arc Fault Circuit Interrupter	-	-	-	-	-	-	Optional	Optional
General Data								
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%
Operating Altitude (m)	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000	≤4000
Cooling Method	Natural Convection							
Display	LED, LCD / Wi-Fi+APP / Bluetooth+APP							
Communication	WiFi / LAN / RS485						RS485 / Wi-Fi	
Weight (Kg)	5.8	5.8	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	<1	<1
Ingress Protection Rating	IP65	IP65	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.

