

XS Series

Single-MPPT, Single-Phase



Technical Data	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS	GW2500N-XS	GW3000N-XS
PV String Input Data								
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
No. of MPP Trackers	1	1	1	1	1	1	1	1
No. of Input Strings per MPPT	1	1	1	1	1	1	1	1
AC Output Data								
Nominal Output Power (W)	700	1000	1500	2000	2500	3000	2500	3000
Max. AC Active Power (W)	800	1100	1650	2200	2750	3300	2750	3300
Max. Output Apparent Power (VA)	800* ¹	1100* ¹	1650* ¹	2200* ¹	2750* ¹	3300* ¹	2750* ¹	3300* ¹
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
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%	97.6%	97.6%
European Efficiency	96.0%	96.4%	96.6%	97.0%	97.2%	97.2%	97.2%	97.2%
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)	
AC Surge Arrester	Type III	Type III	Type III	Type III	Type III	Type III	Type III	Type III
DC Arc Fault Circuit Interrupter	NA	NA	NA	NA	NA	NA	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	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED (Bluetooth+APP)	
Communication	WiFi or LAN or RS485						RS485 or WiFi	RS485 or WiFi
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	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113	295*230*113
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	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.

