

XS Series

Single MPPT, Single Phase



Technical Data	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	600	600
MPPT 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	13
Max. Short Current per MPPT (A)	15.6	15.6	15.6	15.6	16.3	16.3
No. of MPP Trackers	1	1	1	1	1	1
No. of Input Strings per MPPT	1	1	1	1	1	1
AC Output Data						
Nominal Output Power (W)	1500	2000	2500	3000	2500	3000
Max. AC Active Power (W)	1650	2200	2750	3300	2750	3300
Max. Output Apparent Power (VA)	1650*1	2200*1	2750*1	3300*1	2750*1	3300*1
Nominal Output Voltage (V)	230	230	230	230	220/230	220/230
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Max. Output Current (A)	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%
Efficiency						
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%
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 II Optional)	
AC Surge Arrester	Type III	Type III	Type III	Type III	Type III	Type III
DC Arc Fault Circuit Interrupter	NA	NA	NA	NA	Optional	Optional
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	LCD & LED	LCD & LED	LCD & LED	LCD & LED	LCD & LED (Bluetooth+APP)	
Communication	WiFi*2 or LAN or RS485				RS485 or WiFi*2	RS485 or WiFi*2
Weight (kg)	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
Topology	Transformerless	Transformerless	Transformerless	Transformerless	Transformerless	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): GW1500-XS is 1500; GW2000-XS is 2000; GW2500-XS or GW2500N-XS is 2500; GW3000-XS or GW3000N-XS is 3000.

*2: Only compatible with 2.4Ghz network.

*: Please visit GoodWe website for the latest certificates.

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* ¹ or LAN or RS485	WiFi or LAN or RS485					RS485 or WiFi* ²	RS485 or WiFi* ²	
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								

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