

INDEPENDENT SOLAR SYSTEMS

XS Series

Single MPPT, Single Phase



Technical Data	GW700-XS	GW1000-XS	GW1500-XS	GW2000-XS	GW2500-XS	GW3000-XS
PV String Input Data						
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)	40~450	40~450	40~450	40~450	40~450	40~450
Start-up Voltage (V)	50	50	50	50	40	40
Nominal DC Input Voltage (V)	360	360	360	360	360	360
Max. Input Current (A)	11	11	11	11	12.5	12.5
Max. Short Current (A)	13.8	13.8	13.8	13.8	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
AC Output Data						
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%
Efficiency						
Max. Efficiency	97.2%	97.2%	97.3%	97.5%	97.4%	97.4%
European Efficiency	96.0%	96.4%	96.6%	97.0%	97.0%	97.0%
Protection						
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
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	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 or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN	WiFi or LAN
Weight (kg)	5.2	5.2	5.2	5.2	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					
Safety Regulation	IEC62109-1&-2					
EMC	EN61000					