



1200W ~ 1400W ~
1600W ~ 2000W

GSMI SERIES MICRO SOLAR INVERTER



Energy
Independence



Continuous
Power Supply



Flexible
Installation

FEATURES

- IP65~IP67 waterproof level.
- Integrated AC bus cable, Ready-To-Use.
- WIFI communication and cloud monitoring.
- Output voltage is automatically recognized.
- Compatible with a variety of conventional solar panels.
- Unique reverse transmission technology gives priority to the load.
- Excellent low light lock function (APL) and higher conversion efficiency.

Model	GYSMI-1200W		GYSMI-1400W		GYSMI-1600W		GYSMI-2000W	
Input Data (DC, PV)								
Number of Input MC4 Connector	4 sets							
MPPT Voltage Range	22V-48V							
Operation Voltage Range	18V-60V							
Maximum Input Voltage	60V							
Startup Voltage	22V							
Maximum Input Power	1200W		1400W		1600W		2000W	
Maximum input Current	12A*4		14A*4		15A*4		16A*4	
Output Data(AC)								
Single-Phase Grid Type	120V&230V		120V&230V		120V&230V		120V&230V	
Rated Output Power	1200W		1400W		1600W		2000W	
Maximum Output Power	1200W		1400W		1600W		2000W	
Nominal Output Current	@120VAC:10A/@230VAC:5.2A @120VAC:11.6A/@230VAC:6A @120VAC:13.3A/@230VAC:6.9A @120VAC:16.6/@230VAC:8.6A							
Nominal Output Voltage	120VAC /230VAC							
Default Output Voltage Range	@120VAC:80V-160V/@230VAC:180V-270V							
Nominal Output Frequency	50Hz/60Hz							
Default Output Frequency Range	@50Hz:48Hz-51Hz/@60Hz:58Hz-61Hz							
Power Factor	>0.99%							
Total Harmonic Distortion	THD <5%							
Maximum Units per Branch	1200W@120VAC:2units /@230VAC:3units(AC cable 3*1.5mm²) 1400W/1600@120VAC:1units /@230VAC:2units(AC cable 3*1.5mm²) 2000W@120VAC:1units /@230VAC:1units(AC cable 3*1.5mm²)							
Efficiency								
Peak Efficiency	95%							
Nominal MPPT Efficiency	99.5%							
Night Power Consumption	<1W							
Mechanical Data								
Operating Ambient Temperature Range	-40°Cto +65°C							
Storage Temperature Range	-40°Cto +85°C							
Dimensions(W*H *D)	255mmx340mm x 45mm (not include connectors and cable)							
Weight	3.65kg							
Max Current of AC Bus Cable	20A							
Waterproof Grade	IP66							
Cooling Mode	Natural Convection- No Fans							
Other Features								
Communication	WIFI (Cloud monitoring)							
Transformer Design	High Frequency Transformers, Galvanically Isolated							
Integrated Ground	Equipment ground is provided by the PE in the AC cable. No additional ground is required.							
Protection Functions	Isolated Island Protection, Voltage Protection, Frequency Protection, Temperature Protection, Current Protection, etc.							
Design Compliance	EN IEC61000-3-2:2019+A1:2021,EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC55014-2:2021,EN IEC55014-2:2021.							

Product specifications are subject to change without prior notice.