

GSMI SERIES MICRO SOLAR INVERTER

300W ~ 350W ~ 400W



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.

Technical Data

Model	GSMI-300W		GSMI-350W	GSMI-400W
Input Data (DC, PV)				
Number of Input MC4 Connector	1 sets			
MPPT Voltage Range	16V-48V			
Operation Voltage Range	20V-50V			
Maximum Input Voltage	50V			
Startup Voltage	22V			
Maximum Input Power	300W	350W	400W	
Maximum input Current	12A	14A	16A	
Output Data(AC)				
Single-Phase Grid Type	120V&230V			
Rated Output Power	300W	350W	400W	
Maximum Output Power	300W	350W	400W	
Nominal Output Current	@120VAC:2.5A/@230VAC:1.3A @120VAC:2.9A/@230VAC:1.5A @120VAC:3.3A/@230VAC:1.7A			
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	@120VAC:5units /@230VAC: 10units			
Efficiency				
Peak Efficiency	95%			
Nominal MPPT Efficiency	99.5%			
Night Power Consumption	<1w			
Mechanical Data				
Operating Ambient Temperature Range	-40°C to +65°C			
Storage Temperature Range	-40°C to +85°C			
Dimensions(W*H *D)	240mmx185mm x 45mm (not include connectors and cable)			
Weight	1.6kg			
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.