

# GSMI SERIES MICRO SOLAR INVERTER

600W ~ 700W ~ 800W



## 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-600W	GSMI-700W	GSMI-800W
<b>Input Data (DC, PV)</b>			
Number of Input MC4 Connector	2 sets		
MPPT Voltage Range	22V-48V		
Operation Voltage Range	18V-60V		
Maximum Input Voltage	60V		
Startup Voltage	22V		
Maximum Input Power	600W	700W	800W
Maximum input Current	12A*2	14A*2	16A*2
<b>Output Data(AC)</b>			
Single-Phase Grid Type	120V&230V		
Rated Output Power	600W	700W	800W
Maximum Output Power	600W	700W	800W
Nominal Output Current	@120VAC:5A/@230VAC:2.6A @120VAC:5.8A/@230VAC:3A @120VAC:6.6A/@230VAC:3.4A		
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:3units /@230VAC: 6units		
<b>Efficiency</b>			
Peak Efficiency	95%		
Nominal MPPT Efficiency	99.5%		
Night Power Consumption	<1w		
<b>Mechanical Data</b>			
Operating Ambient Temperature Range	-40°C to +65°C		
Storage Temperature Range	-40°C to +85°C		
Dimensions(W*H *D)	310mmx185mm x 45mm (not include connectors and cable)		
Weight	2kg		
Max Current of AC Bus Cable	20A		
Waterproof Grade	IP66		
Cooling Mode	Natural Convection- No Fans		
<b>Other Features</b>			
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.