

OFF-GRID SOLAR INVERTER

1200VA / 1200W



FEATURES

- ◆ Rated power 1.2kW, power factor 1.
- ◆ MPPT ranges 20V~100V, 125Voc.
- ◆ High frequency inverter with small size and light weight.
- ◆ Pure sine wave AC output.
- ◆ Solar and utility grid can power loads at the same time.
- ◆ With RS485 for BMS communication.
- ◆ Configurable AGM FLD LIB battery types via LCD setting.

Technical Data

Model		GSM-1.2K
AC Input		
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE	
Voltage Range (VAC)	90~280V Settable (Appliance/Generator mode); 170~264V Settable (UPS mode)	
Frequency (Hz)	40~70Hz, Default	
Power Factor (PF)	≥0.95	
AC Output		
Rated Capacity (kW)	1.2KW	
Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE	
Voltage Regulation	≤ ±5%	
Power Factor (PF)	1	
Frequency Range	Line Mode: Synchronized range; Battery Mode: 50/60Hz	
Transfer Time	Line Mode to Battery Mode 10ms(Typical); Line Mode to Battery Mode 10ms(Typical)	
Harmonic Distortion	≤3% (Linear Load); ≤5% (Non-linear Load PF=0.7)	
Overload Capacity (Battery Mode)	10min@102%~120%Load, 1min@120%~150%Load 10s@150%~200%Load, 10s@>200%Load	
Max. Efficiency (Battery Mode)	90.5%@12VDC	
Charger (PV / AC)		
Solar Charger Type	MPPT	
Max PV Input Current / Input Power	14A / 1000W	
MPPT Range@Operating Voltage (VDC)	20~100	
Max PV Open Circuit Voltage (VDC)	105	
Max PV Charge Current (A)	60	
Max AC Charge Current (A)	60	
Max. Charge Current (PV + AC) (A)	120	
Battery		
Numbers	1	
Charging Mode	Two stage/three stage charging	
Charging Current	2-120A Settable	
Interface		
HMI	LCD	
Interface	RS232	
Monitoring	WiFi (Optional)	
General Data		
Ingress Protection	IP21	
Operating Temperature	-10 °C ~ 50 °C	
Relative Humidity	20% ~ 95% (Non-condensing)	
Storage Temperature	-15 °C ~ 60 °C	
Net Weight (kg)	5	
Dimensions (W*H*D)	330*228*90mm	
Max. Operating Altitude	4000m (Derating above 1000m)	

Product specifications are subject to change without prior notice.