

1200VA / 1200W

OFF-GRID SOLAR INVERTER



Solar Inverter

Energy
Independence

Continuous
Power Supply

Flexible
Installation

FEATURES

- Lithium battery activation function.
- Compatible work with lifepo4 battery via RS485 (Except 12V models) .
- Pure sine wave; Power factor 1.0.
- PV Input Voltage 500Vdc Max; Built-in MPPT 60A/100A/120A.
- Capable to work without battery (Except 12V models) .
- Detachable dust cover for harsh environment.
- WiFi remote monitoring optional.
- Support multiple output priority: UTL,SOL,SBU, SUB.
- EQ function to optimize battery performance and extend lifecycle.

Model	GYSM-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.