



OFF-GRID SOLAR INVERTER

6500VA / 6500W (Dual Output)



FEATURES

- ◆ Dual output function, flexible backup.
- ◆ Wide range of accepted input voltages.
- ◆ Smart design and unique lithium battery wake-up function.
- ◆ Support WFI/GPRS remote monitoring,setting and upgrade.
- ◆ Built-in MPPT controller, PV array input voltage can be up to 500V.
- ◆ Flexible working modes with settable AC/Solar Input priority and output priority.
- ◆ Advanced battery management; supports lithium batteries and lead-acid batteries.
- ◆ Support mirco grid system with seperate generator input terminal,and can remote control generator.

Technical Data

Model	GSM-B-TWIN 6.5KW
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	6.5
Surge Power (kVA)	12
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	10min@102%~120%Load, 1min@120%~150%Load 10S@150%~200%Load, 5s@ > 200%Load
Max. Efficiency (Battery Mode)	93%@48VDC
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	28A / 9000W
MPPT Range@Operating Voltage (VDC)	60~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
Battery	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / USB / Dry Contact / CT / Meter
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 50 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	10
Dimensions (W*H*D)	595*390*215 mm
Max. Operating Altitude	4000m (Derating above 1000m)

Product specifications are subject to change without prior notice.