



HYBRID SOLAR INVERTER

6000VA / 6000W (IP66)



FEATURES

- ◆ Smart Load Control.
- ◆ Suitable for grid-tied and off-grid applications.
- ◆ Supports multiple energy management strategies.
- ◆ A variety of protection functions, safe and reliable
- ◆ With the integrated energy management system(EMS)
- ◆ With two maximum power point trackers (MPPT), the conversion efficiency is higher.
- ◆ Advanced battery management system, compatible with li-ion and lead-acid batteries.

Technical Data

Model	GSM-6K-01LP1-EU
PV INPUT	
Max. PV Input Power	9000 Wp
Max. PV Input Voltage	d.c. 550V
MPPT Voltage Range	d.c. 80-520V
Max. PV Input Current	d.c. 2*19A
Min. Start-up Voltage	d.c. 100V
Isc PV (Absolute Max.)	d.c. 2*25A
BATTERY INPUT	
Rated Battery Voltage	d.c. 48V
Battery Voltage Range	d.c. 40 ~ 60V
Max. Battery Charge Current	d.c. 120A
Max. Battery Discharge Current	d.c. 120A
Battery Type	Li-ion / Lead-Acid
GRID OUTPUT	
Rated Grid Voltage	a.c. 230V
Rated Grid Frequency	50Hz / 60Hz
Rated Grid Output Active Power	6000 W
Rated Grid Output Apparent Power	6000 VA
Max. Grid Output Apparent Power	6000 VA
Max. Grid Output Current	a.c. 26.1A
GENERATOR INPUT	
Rated Voltage	a.c. 230V
Rated Frequency	50Hz / 60Hz
Generator Input Voltage Range	a.c. 176-280 Vac
Rated Input Apparent Power	6000 VA
Max. Input Apparent Power	6000 VA
Max. Input Current	a.c. 26.1A
EPS OUTPUT	
Rated Output Frequency	50Hz / 60Hz
Rated Output Apparent Power	6000 VA
Max. Output Apparent Power	6000 VA
Max. Output Current	a.c. 26.1A
GENERAL INFO	
Adjustable Cos (Φ)	0.8ind...0.8cap
Operating Temperature Range	-25°C...60°C
Inverter Topology	Non-Isolated
Enclosure	IP66
Protection Class	I
Overvoltage Category	II (PV), III (MAINS)
Weight (kg)	24
Size (mm)	485*527*230

Product specifications are subject to change without prior notice.