IP65 Hybrid Inverter

Model: ME-GLP-S12K
ME-GLP-S16K

12/16kW | Pure sine wave output | 9 Units Parallel



Superior Performance

- UPS mode with 10ms switchover
- 200% surge capacity handles heavy loads instantly
- 110% continuous overload capacity

AI Powered

- Remote control, diagnosis and maintainance
- Firmware OTA updates without physical access
- 24/7 real-time monitoring gives complete visibility
- User-configurable logic prioritizes solar or grid

User-friendly

- Phone-to-inverter direct setup
- Compatible with lithium and lead-acid batteries
- Operates with or without batteries
- Supports generator

Reliable&Safe

- Both fan cooling and PCB heat dissipation
- Pure sine wave output delivers stable power
- Built-in SPD safeguard your system and home safety

Technical Parameter

Model	ME-GLP-S12K	ME-GLP-S16K
Battery		
Battery Type	Lithium/Lead-acid	
Rated Battery Voltage	51.2Vdc / 48Vdc	
Battery Voltage Range	40~60Vdc	
Max. Solar Charging Current	250A	320A
Max. Grid/Generator Charging Current	250A	320A
Max. Solar+AC Charging Current	250A	320A
PV Input		
Max. PV Access Power	24000W	32000W
Max. PV Input Voltage	500V	
Start-up Voltage	150V	
MPPT Voltage Range	120~425V	
Max. Operating PV Input Current	36A + 36A + 36A	
Max. Input Short-Circuit Current	50A + 50A + 50A	
Num. of MPPT/PV Array	3/2+2+2	
AC Output		
Rated Power	12000VA / 12000W	16000VA / 16000W
Peak Power	2 time of rated power，10s	
Parallel Capacity	Max. 9 Units	
Output Type	Single-phase / Three-phase In Parallel	
Output Voltage Range(Battery Mode)	220/230/240 Vac，50/60 Hz	
Rated Current	54.5A / 52.2A / 50A	72.7A / 69.6A / 66.7A
Max. Output Current	63A（bypass）	100A（bypass）
Waveform	Pure Sine Wave	
Transfer time	<10ms	
AC Input		
Rated Input Voltage	220/230/240Vac	
Input Voltage Range	90~280V ac	
Frequency Range	50/60Hz	
Input Frequency Range	45~65Hz	
Max. Grid Input Current	63A（bypass）	100A（bypass）
Max. Generator Input Current	63A（bypass）	100A（bypass）
Protections		
Integrated Protections	PV reverse polarity,Over current,Over voltage,Output short-circuit, Over temperature, Over/under voltage, over/under-frequency, over load, Insulation resistance, Surge protection	
Surge Protection Level	TYPE II(DC)，TYPE II(AC)	
General		
Dimensions (WxHxD)	416 x 670 x 254 mm (Excluding connectors and brackets)	500 x 720 x 306 mm (Excluding connectors and brackets)
Product Weight (N.W.)	36kg	52kg
Installation	Wall-Mounted	
Operating Temperature	-25℃~60℃	
Relative Humidity	5 ~ 95%，No Condensation	
Altitude	2000m	
Ingress Protection	IP65	
Cooling Mode	Smart Cooling	
Communication Interface	RS485 / CAN	
Monitor Mode	WIFI / Bluetooth / LAN / 4G（optional）	