IP51 Hybrid Inverter

Model: ME-GLE-S3.6K | Single Phase
ME-GLE-S5K | Single-phase/Three-phase In Parallel

Low Voltage | Pure sine wave output | 9 Units Parallel

Superior Performance

- UPS mode with 10ms switchover
- 180% 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 simplifies configuration
- Compatible with lithium and lead-acid batteries
- Wall or floor mount design adapts to your space
- Operates with or without batteries

Reliable&Safe

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

Technical Parameter

Model	ME-GLE-S3.6K	ME-GLE-S5K
Inverter Output		
Rated Power	3600VA / 3600W	5200VA / 5200W
Peak Power	7000VA for 2s	9000VA for 2s
Scalability	/	Max. 9 Units
Output Type	Single-phase	Single-phase / Three-phase In Parallel
AC Voltage Regulation (Battery	230Vac, 50/60Hz	
Rated Current	15.7A	22.6A
Waveform	Pure Since Wave	
Transfer time	<10ms	
Battery		
Battery Type	Lithium/Lead-acid	
Rated Battery Voltage	48Vdc / 51.2Vdc	
Battery Voltage Range	40-60Vdc	
Max. Solar Charging Current	70A	100A
Max. Grid/Generator Charging	70A	100A
Max. Solar+AC Charging Current	70A	100A
PV Input		
Max. PV Input Power	4200W	10000W
Max. Open-circuit Voltage	450Vdc	450Vdc
Min. Startup Voltage	120Vdc	120Vdc
MPPT Voltage Range	90-430Vdc	90-430Vdc
Max. PV Input Current	13A	28A
Max. PV Input Isc	18A	30A
Num. of MPPT/PV Array	1/1	1/1
Grid/Generator AC Input		
Rated Input Voltage	220/230/240Vac	230Vac
Input Voltage Range	90-280Vac	90-280Vac
Frequency Range	50/60Hz	50/60Hz
Max. Grid Input Current	20A	40A
Max. Generator Input Current	20A	40A
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	PV reverse polarity,Over current,Over voltage,Output short-circuit, Over temperature, Over/under voltage, over/under-frequency, over load, Insulation resistance, Surge protection
General		
Dimensions (WxHxD)	380*113*311 mm	556*150*351 mm
Weight	7 kg	13 kg
Installation	Wall-Mounted	Floor-Mounted/Wall-mounted (Optional)
Operating Temperature	-20~60℃	
Relative Humidity	5 ~ 95%, No Condensation	
Altitude	2000m	
Ingress Protection	IP51	
Cooling Mode	Intelligent Fan	
Communication Interface	USB / WIFI / Ethernet / RS485	