

Single/Three Phase Off Grid Inverter

Model: ME-GLE-S5K

IP21 | 5.2kW/48V | 230Vac



Up to 9 units in parallel for capacity extension



Integrated MPPT charge controller



Pure sine wave output can adapt to different loads



Output short-circuit protection function



Support multiple power sources, such as PV, battery, diesel generator and utility

Technical Data

Model	ME-GLE-S5K
Inverter Output	
Rated Power	5200VA / 5200W
Peak Power	9000VA for 3s
Parallel Capacity	Max. 9 Units
Output Type	Single-phase / Three-phase In Parallel
AC Voltage Regulation (Battery Mode)	230Vac, 50/60Hz
Efficiency(Peak)	93%
Waveform	Pure Sine Wave
Transfer time	< 20ms
Battery	
Battery Type	Lithium/Lead-acid
Rated Battery Voltage	51.2Vdc
Battery Voltage Range	40-60Vdc
Max. Solar Charging Current	100A
Max. Grid/Generator	100A
Max. Solar+AC Charging Current	100A
PV Input	
Max. PV Input Power	6000W
Max. Open-circuit Voltage	450Vdc
Min. Startup Voltage	120Vdc
MPPT Voltage Range	90-430Vdc
Max. PV Input Current	22A
Max. PV Input Isc	30A
Num. of MPPT/PV Array	1/1
Grid/Generator AC Input	
Rated Input Voltage	230Vac
Input Voltage Range	90-280Vac
Frequency Range	50/60Hz
Max. Grid Input Current	40A
Max. Generator Input Current	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
General	
Dimensions (WxHxD)	556*150*351 mm
Weight	13 kg
Installation	Floor-Mounted
Operating Temperature	0-55°C
Storage Temperature	-15 - 60°C
Relative Humidity	5 ~ 95%
Altitude	2000m
Ingress Protection	IP21
Cooling Mode	Intelligent Fan
Warranty	3 years
Communication Interface	USB / WIFI / Ethernet / RS485 / Dry contact