

Product Model	SGS-12K18MAX
Input (PV)	
Rated Output Power	@240V 12000W,@208V 10400W.
Max. Peak Power	1.5 times rated power (10s)
Rated Output Voltage	120/240Vac(Split-phase) 120/208V(Three-phase)
Output Voltage Error	50A
Load Motor Capacity	6HP
Rated AC Frequency	50/60Hz
Waveform	Pure Sine Wave
Parallel capacity	6
Battery	
Battery Type	Li-Ion Battery / Lead-Acid Battery / User Defined
Rated Battery Voltage	48Vdc
Voltage Range	40-60Vdc
Max. Grid Charging Current	200A
Max. Generator Charging Current	200A
Max. Hybrid Charging Current	240A
PV Input	
No. of MPPT Trackers	2
Max. PV array power	9000W/9000W
Max. Input Current	32A/32A
Short current Isc	40A/40A
Max. Open Circuit Voltage	550Vdc/550Vdc
MPPT Voltage Range	125-450Vdc/125-450Vdc
MPPT Tracking Efficiency	99.9%
Grid / Generator Input	
Input Voltage Range	90-140Vac
Frequency Range	50/60Hz
Continuous Grid Passthrough Current	200A
Protection	
Integrated	Reverse polarity protection DC switch rating for each MPPT Output over-voltage protection varistor, Output over current protection, Ground fault monitoring, Grid monitoring, Pole sensitive leakage current monitoring unit AFCI, RSD .
Interface	
Communication port	RS485 / CAN / USB / Dry contact
External Modules(Optional)	Wi-Fi / GPRS
General Data	
Dimensions	33.07*17.32*10.24 inches (840*440*260mm)
Weight	105.82 lbs(48kg)
Protection Degree	IP65
Operating Temperature Range	13 to 140 ,>113 derated (-25 to +60 ,>45 derated)
Noise	<60dB
Self-consumption	<100W
Cooling Method	Heat sink + intelligent fan cooling
Certified Specifications	
Safety standards	UL1741&IEEE1547.1-2020,CEC, RULE 21, HECO,CEC Listed
EMC	FCC 15 class B
RoHS	Yes