



## SUN-5/10K

- Support 6 units in parallel
- PV input voltage up to 500 VDC
- Integrated MPPT charge controller
- MPPT tracking efficiency up to 99.9%
- Support lithium-ion battery BMS dual activation
- Optional WIFI/GPRS remote monitoring

## Specification

Model	SUN-5K	SUN-10K
<b>Inverter Output</b>		
Rated Output Power	5000W	10000W
Max Peak Power	10000W	20000W
Rated Output Voltage	230 VAC, single-phase /parallel operation for three-phase	
Motor Loading Capacity	4.8HP	6HP
Rated Frequency	50/60Hz	
Output Waveform	Pure sine wave	
Switching Time	Typical value: 10ms, Max value for single machine: 20ms, Max value for parallel machines: 30ms	
Number of Parallel Units	6	
<b>Battery</b>		
Battery type	Lead-acid or Lithium-ion	
Rated Battery Voltage	48V	
Voltage Range	40~60V	
Max Solar Charging Current	120A	200A
Max Mains/Generator Charging Current	100A	120A
Max Hybrid Charging Current	120A	200A
<b>PV Input</b>		
Number of MPPT Routes	1	2
Max Input Power	7500W	7,500W+7,500W
Max Input Current	27A	22A+22A
Max Open-Circuit Voltage	500V	500V+500V
MPPT Operating Voltage Range	125V~425V	
<b>Mains Power &amp; Generator Input</b>		
Input Voltage Range	170~280V±7V(UPS); 90~280V±7V(APL)	
Input Frequency Range	50/60Hz	
Bypass Overload Current	40A	63A
<b>Efficiency</b>		
MPPT Tracking Efficiency	99.90%	
Max Efficiency of Battery Inversion	93%	
<b>General</b>		
Size (HxWxD)	470 x 365 x 130 mm	620 x 450 x 142 mm
Weight	14.7kg	23.5kg
Protection level	IP20	
Operating Temperature Range	-10~55°C	
Cooling Method	Intelligent Air Cooling	
<b>Communication</b>		
Communication Method	RS485/CAN/GPRS/WIFI/Bluetooth/4G/LAN(optional)	