



MODEL	SPH8048P	SPH10048P
INVERTER OUTPUT		
Rated Output Power	8,000W	10,000W
Max.Peak Power	16,000W	20,000W
Rated Output Voltage	120/240Vac(split phase/single phase)	
Load Capacity of Motors	5HP	6HP
Rated AC Frequency	50/60Hz	
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	
Parallel capacity	6	
Overload	After triggering the overload protection the inverter will resume output after 3 minutes, 5 consecutive overloads will switch off the output until the inverter is restarted. (102% < load < 110%) ±10%: error and output shutdown after 5min; (110% < load < 125%) ±10%: error and output shutdown after 10s. Load > 125% ±10%: error reported and output switched off after 5s.	
BATTERY		
Battery Type	Li-ion / Lead-Acid / User Defined	
Rated Battery Voltage	48Vdc	
Voltage Range	40-60Vdc	
Max.MPPT Charging Current	200A	
Max.Mains/Generator Charging Current	100A	120A
Max.Hybrid Charging Current	180A	200A
PV INPUT		
Num. of MPP Trackers	2	
Max.PV array power	11,000W	
Max.input current	22/22A	
Max.Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	125-425Vdc	
MAINS / GENERATOR INPUT		
Input Voltage Range	90-140V (Single phase), 180-260V (Split Phase)	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
Dimensions	17.7*25.6*5.1inch	17.9*26*5.1inch
Weight	53.5lb	54lb
Protection Degree	IP20, Indoor Only	
Operating Temperature Range	14~131°F, >113°F derated (-10~55°C,>45°C derated)	
Noise	<60dB	
Cooling Method	Internal Fan	
No-load consumption	95W/ 100W	
Warranty	2 Years	
COMMUNICATION		
Embedded Interfaces	RS485 / CAN / USB / Dry contact	
External Modules(Optional)	Wi-Fi / GPRS	
CERTIFICATION		
Safety	IEC62109-1, IEC62109-2,UL1741	
EMC	EN61000-6-1,EN61000-6-3,FCC15classB	
ROHS	Yes	

Battery Option: Only Inverter

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