

SPE Series
OFF GRID SOLAR INVERTER(US)



SPE Series (US) Product Introduction

INVERTER OUTPUT	SPE3000-124SP		SPE5000-148SP		SPE6500-148SL		SPE10000-148SL	
Rated Output Power	3,000W		5,000W		6500W		10,000W	
Max. Peak Power	6,000VA		11,000VA		13,000 VA		20,000W	
Rated Output Voltage	120Vac (single-phase)				120/240Vac(single-phase/split-phase)/ three-phase, be paralleled			
Rated AC Frequency	50Hz/60Hz							
Waveform	Pure Sine Wave							
Switch Time	10ms (typical)							
Parallel Capacity	-		-		1~6 units			
BATTERY								
Battery Type	"Lead-acid / Li-Ion / User defined							
Rated Battery Voltage	24Vdc		48Vdc					
Voltage Range	20~33Vdc		40~60Vdc					
Max. MPPT Charging Current	60A		80A		140A		200A	
Max. Mains/Generator Charging Current	40A		40A		80A		120A	
Max. Hybrid Charging Current	60A		80A		140A		200A	
PV INPUT								
Num. of MPPT Trackers	1		1		2		2	
Max.PV Array Power	4,000W		6,000W		5000W+5000W		5,500W+5,500W	
Max.Input Current	13A		22A		18+18A		22A+22A	
Max.Voltage of Open Circuit	500Vdc				550Vdc+550Vdc		500Vdc+500Vdc	
MPPT Voltage Range	120-450Vdc				150-450Vdc		125~425Vdc	
UTILITY / GENERATOR INPUT								
Input Voltage Range	90~140Vac							
Frequency Range	50/60Hz							
Bypass Overload Current	63A							
EFFICIENCY								
MPPT Tracking Efficiency	99.9%							
Max. Battery Inverter Efficiency	92%		92%		93%		92%	
GENERAL								
Dimensions	376*280*103mm		426*322*126mm		584.6*410*133 mm		620*445*130mm	
Weight	8kg		11.6kg		18.9 kg		27kg	
Protection Degree	IP20, indoor only							
Operating Temperature Range	-10°C~55°C							
Noise	≤60dB							
Cooling Method	Forced air cooling with adjustable air speed							
COMMUNICATION								
Embedded Interaction	RS485 / USB / Dry contact				RS485/CAN/USB/dry contact			
External Modules (Optional)	Wi-Fi / GPRS							