

All-in-one Inverter



ALL IN ONE

Around
30% MPPT Energy Efficiency Improvement

94% Maximum Inverter Efficiency



Inverter



Battery charger



MPPT solar charge controller



Technical specifications

Solar charge inverter

SUN6000S-E

Rated battery voltage	48 V	Max. charge current	110 A
Max. discharge current	95 A		

PV

Recommended max. PV input power	7,000 W	Rated input voltage	360 V
Max. input voltage	550 V	Number of MPPT trackers	2
MPPT operating voltage range	120 V ~ 500 V	Max. input current per MPPT	14 A

AC charge

Rated grid voltage	220 V / 230 V / 240 V, 50 Hz / 60 Hz		
Rated AC power	6,000 VA	Grid voltage range	176 Vac ~ 270 Vac

Inverter

Max. AC power output to utility grid	220 V / 230 V / 240 V, 50 Hz / 60 Hz		
Rated voltage frequency (off grid)	6,000 VA		

General

Degree of protection	IP65	Switch time	< 10 ms
Allowable relative humidity range	5% ~ 95%	Max. efficiency of solar inverter	97.6%
Max. operating altitude[2]	4,000 m	European efficiency	97%
Display	LCD & APP	Topology	Transformerless
Communication	RS485 / CAN(optional: WiFi / 4G / GPRS)		
Ambient temperature range	-4°F ~ 131°F (-20°C ~ 55°C)		
Dimension (W * D * H)	21.7 x 7.9 x 20.5 inch(550 x 200 x 520 mm)		
Weight	70.55 lbs (32.0 kg)		

Note: All data are based on ROYPOW standard test procedures. Actual performance may vary according to local conditions.

