



iPOWER OUTDOOR Series

300W-1800W PORTABLE SOLAR STORAGE SYSTEM

In outdoor travel, emergency rescue and other scenes, power shortage often becomes a problem that troubles modern people. Photovoltaic outdoor mobile power system with its innovative combination of "solar charging + energy storage power supply" is becoming a revolutionary solution in the field of outdoor energy. This paper will focus on its core advantages, especially how the co-design of folding solar panels and portable energy storage can meet diverse needs.

PRODUCTS FEATURES

ULTRA-LIGHT & CONVENIENT DESIGN



- The foldable panel incorporates ultra-thin and ultra-light glass
- The portable power bank features a space-efficient compact design with anti-slip texture and a concealed handle

Smart Management and Efficient Charging



- LiFePO4 battery with >3,000-cycle lifespan
- BMS (Battery Management System) provides full process protection and multilevel safeguards
- Achieves 22%-25% solar panel efficiency

COMPREHENSIVE POWER COVERAGE



- Output interfaces cover 6-8 types including USB/Type C/ AC/automotive outlets
- Supports operation of devices up to 2000W (e.g., rice cookers, medical equipment)
- Smart inverter technology delivers stable pure sine wave output

VERSATILE APPLICATION SCENARIOS



- Ultimate Outdoor Companion: Effortlessly charges mobile devices, powers drones, and supports car refrigerators/projectors
- Emergency Response Lifeline: 5-minute rapid deployment enables emergency lighting, medical equipment operation
- Home Backup Power Solution: Maintains refrigerator/ventilator operation during typhoons/blackouts



PRODUCTS DETAILS



PRODUCTS SPECIFICATION

Model NO.		PSS-300	PSS-600	PSS-1200	PSS-1800
AC Output	Rated Output Power	300W	600W	1200W	1800W
	Peak Output power	600W	1200W	2400W	3600W
	AC Output Voltage	220/ 230/ 240V AC ±3%			
	AC Output Frequency/Output Waveform	50Hz/60Hz +0.5Hz /Pure Sine Wave			
DC Output	USB	4xUSB Port QC3.0 (5V/ 3A)			
	DC Port	2x 12V/5A (5521 port)			
	USB TYPE-C PD	2x USB-C PD (3A/5V,9V,12V,15V, 45W Maximum)			
Adapter Charge	AC Input Voltage	220/ 230/240V			
	DC Input Voltage	200W 14-40V	200W 14-40V	400W 30-60V	800W 40-120V
Battery	Type	Li-ion			
	Maximum Charging Power	0.5KWH	0.5KWH	1.5KWH	1.5KWH
	Operating Voltage	13~18V		26~36V	
	Cycle	> 3000 times			
	Charge & Discharge Protection	yes, multiple protection			
General	Product Dimension	300*180*160mm(L*W* H)		452*260*320mm(L*W* H)	
	Package Size	436*218*262mm (L*W* H)		536*300*410mm (L*W* H)	
	Net Weight/Gross Weight	6Kg /8KG		22Kg /24.5KG	
Accessories	1*AC charger, 1* solar input plug				

PRODUCTS APPLICATION



Outdoor Companion



Emergency Response



Vehicle Rescue



Home Backup