

PORTABLE POWER STATION 1.8kW



100%, 1.2 hours
Super Fast Recharge



Versatile
Output Ports



1800W, Surge 3600W
AC Output



10ms Switching Time
Seamless EPS



Ultra-low Standby
Power Consumption



LiFePO₄ Battery Cells
4000+ Lifecycle

PowerMax series

Model	P1800	
	100/110/120 Vac	220/230/240 Vac
Battery Input		
Cell Type	LiFePO ₄	
Battery Capacity (Wh)	1024	
Battery Input Nominal Voltage (V)	51.2	
Battery Input Voltage Range (V)	40~60	
Nominal Charging Current (A)	20	
Nominal Discharging Current (A)	40	
Max. Discharging Current (A)	50	
Life Cycles (@25°C, 0.5C Discharge, DOD80%)	4000+	
AC Input		
AC Charging Power (W)	1200	
Nominal Voltage (Vac)	100/110/120	220/230/240
Voltage Range (V)	85~130	180~260
Nominal Frequency (Hz)	60	50
Frequency Range (Hz)	55~65	45~55
Power Factor (@Max. Charging Power)	> 0.99	
DC Input		
Max. Car Charging Input Power (W)	120	
Max. Solar Charging Input Power (W)	500	
DC Input Voltage Range (V)	10~52	
Max DC/PV Input Current (A)	11	
AC Output		
Nominal AC Power (W)	1800	
Surge Power (W)	3600	
Nominal Grid Voltage (Vac)	100/110/120	220/230/240
Nominal Grid Frequency (Hz)	60	50
Nominal AC Current (A)	18/16/15	8.2/7.8/7.5
THDv at Nominal Power (%)	< 1.5	
DC Output		
TYPE-C1	100W(5V=3A 9V=3A 12V=3A 15V=3A 20V=5A)	
TYPE-C2/TYPE-C3	30W(5V=3A 9V=3A 12V=2.5A 15V=2A 20V=1.5A)	
USB-A1/USB-A2/USB-A3	30W(5V=3A 9V=3A 12V=3A)	
TYPE-C2 and USB-A2 connected simultaneously	Two ports fixed 5V=3A output	
TYPE-C3 and USB-A1 connected simultaneously	Two ports fixed 5V=3A output	
Car charger and 5525 DC port Total Max. Output Power	132W	
Car Port (x1)	13.2V=10A	
5525 DC Port (x2)	13.2V=8A	
Efficiency		
Battery to AC Max (%)	94.5	96.0
AC to Battery Max (%)	94.5	96.0
Protection	AC output over current; AC output short circuit; AC charging over current; AC output over/under voltage; AC output over/under frequency; inverter over temperature; AC charging over/under voltage; Battery temperature high/low; Battery over/under voltage	
General Data		
Dimensions (W/H/D) (mm)	361.5*269.5*232.6mm	
Weight (Kg)	12.7	
Cooling	Forced Air Cooling	
Operation Temperature Range	0~40°C (Charging) , -15~+40°C (Discharging)	
Operation Relative Humidity [RH(%)]	0~95%, Non Condensation	
Ingress Protection	IP20	
Noise (dB)	< 65	
Communication Interface	Wi-Fi/Bluetooth	
LED Light (W)	3W	