



# PORABLE 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

 LiFePO<sub>4</sub> Battery Cells  
4000+ Lifecycle



## PowerMax series

Model	<b>P1800</b>	
	100/110/120 Vac	220/230/240 Vac
<b>Battery Input</b>		
Cell Type	LiFePO <sub>4</sub>	
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+	
<b>AC Input</b>		
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	
<b>DC Input</b>		
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	
<b>AC Output</b>		
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	
<b>DC Output</b>		
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	
<b>Efficiency</b>		
Battery to AC Max (%)	94.5	
AC to Battery Max (%)	94.5	
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	
<b>General Data</b>		
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	