



PORTABLE POWER STATION

1.8kW



100%, 1.2 hours
Super Fast Recharge



Versatile
Output Ports



10ms Switching Time
Seamless EPS



Ultra-low Standby
Power Consumption



1800W, Surge 3600W
AC Output



LiFePO₄ Battery Cells
4000+ Lifecycle



Model	P1800	
	100Vac	230Vac
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	230
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	230
Nominal Grid Frequency (Hz)	60	50
Nominal AC Current (A)	18	7.8
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	