



# PORTABLE POWER STATION SPLIT PHASE 5kW



Power Low-voltage and  
High-voltage Loads



100%, 1.5hour  
Super Fast Recharge



2.56~10.24kWh Expandable  
Battery Capacity



Max. 5000W High Power  
AC Output



10ms Switching Time  
Seamless EPS



APP Smart Control



## StackPower series

Model	SP5000
<b>Battery Input</b>	
Battery Capacity (Wh)	5120
Battery Input Nominal Voltage (V)	51.2
Battery Input Voltage Range (V)	40~60
Max. Charging Current (A)	80
Max. Discharging Current (A)	100
Life Cycles (@25°C, 0.5C Discharge, DOD80%)	4000+
<b>AC Input (Split Phase, L1- L2-N)</b>	
AC Charging Power (W)	3450
Nominal Voltage (Vac)	220/230/240
Voltage Range (Vac)	180~260
Nominal Frequency (Hz)	60
Max. AC Input Current (A)	16
Power Factor (@Max. Charging Power)	> 0.99
<b>AC Input (Single Phase, L1-N)</b>	
AC Charging Power (W)	1800
Nominal Voltage (Vac)	100/110/120
Voltage Range (Vac)	90~130
Nominal Frequency (Hz)	60
Max. AC Input Current (A)	16
Power Factor (@Max.Charging Power)	> 0.99
<b>AC Output (Split Phase, L1 - L2-N)</b>	
Nominal AC Power (W)	5000
Surge Power (W)	9000
Nominal Grid Volatge (Vac)	220/230/240
Nominal Grid Frequency (Hz)	60
Max. AC Current (A)	21
THDv at Nominal Power (%)	<1.5
<b>AC Output (Single Phase, L1-N/L2-N)</b>	
Nominal AC Power (W)	2500
Surge Power (W)	4500
Nominal Grid Voltage (Vac)	100/110/120
Nominal Grid Frequency (Hz)	60
Max. AC Current (A)	21
THDv at Nominal Power (%)	<1.5
<b>DC Input (XT60)</b>	
Max. Input Power (W)	1000
Input Voltage Range (V)	12~80
Max. Input Current (A)	16
<b>DC Output</b>	
USB-A (QC) (x2)	5V=3A, 9V=2A, 12V=1.5A
USB-TypeC (x2)	5V=3A, 9V=3A, 12V=3A, 20V=5A
Car Port (x1)	12V=10A
XT60 (x1)	12V=30A, 24V=25A, 36V=20A
<b>Efficiency</b>	
Battery to AC Max. (%)	94
AC to Battery Max. (%)	94
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)	450*538*352mm; (Inverter: 450*143*352 mm; Battery:450*152*352 mm)
Weight (Kg)	65.2 (Inverter:11.7; Battery: 28.4)
LCD (mm)	80*64
Cooling Concept	Forced Air Cooling
Operation Temperature Range	0~40°C (charging) , -20~+40°C (discharging)
Operation Relative Humidity [RH(%)]	10~90%
Ingress Protection	IP20
Noise (dB)	< 65
Communication Interface	Wi-Fi / Bluetooth