

SR PORTABLES



# SINGLE PHASE HYPERION OFF - GRID ENERGY STORAGE SYSTEM



Defense



Outdoors



Medical



Disaster Management



Off-grid Market



Agriculture



Maintenance



EV Charging

## 10KW

AC INVERTER

## 5.12KWH

STACKABLE BATTERY

## 100%

SURGE CAPACITY

## 12KW

SOLAR INPUT

## 6000+

CYCLE LIFE



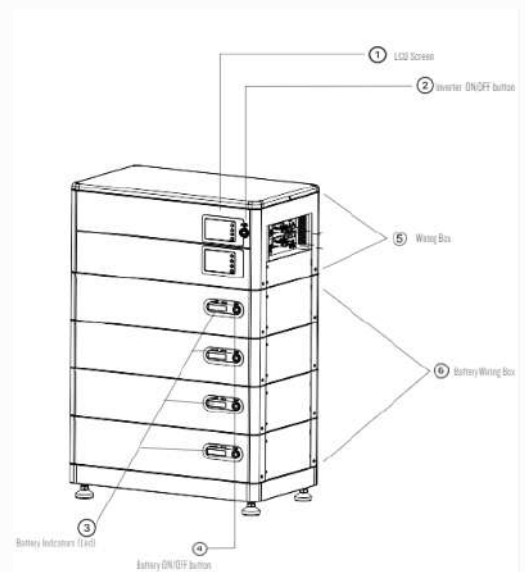
\*WITH BUILT IN FIRE SUPPRESSION

# Technical Specifications

Battery	
Rated Voltage	51.2V
Voltage Range	44.8~57.6V
Depth Of Discharge [DOD]	95% (MAX) / 80% (default)
Max. Discharge Current	70A X 2      100A X 2
Max. Charge Current (AC+PV)	80A X 2      100A X 2
Max. Charge Current (AC)	30A(0~60A Adjustable) X 2      30A(0~80A Adjustable) X 2
AC Output (Backup)	
Rated Power	7000W      10000W
Output Voltage	208/220/230/240Vac ± 5%
Output Frequency	50/60Hz ± 1%
Max Output Current	16A X 2      22.7A X 2
Rated Current	15.2A X 2      21.7A X 2
Peak Power <sup>[1]</sup>	14000W      20000W
Over Load Ability <sup>[1]</sup>	Battery Mode (Battery Max Output Current > 200A) : 10s@110~130% Load 5s@ > 150%Load Pure Sine Wave
Output Wave	Pure Sine Wave
Peak Efficiency (Battery Mode)	> 90%
Transfer Time	20ms
AC Input	
Input Sources	L+N+PE
AC Input Voltage Range	170~280Vac
Rated Input Voltage	230Vac
AC input frequency	50/60Hz
PV Input	
Max PV Input Power	4500W/4500W      6000W/6000W
Max. PV Input Voltage	450Vdc
MPPT Voltage Range	120~430Vdc
Max. DC Input Current	18A
Max. DC Short Circuit Current	20A
General Data	
Range of working temperature	Charge: 0°C~50°C/Discharge: -10°C~55°C
Optimal working temperature range	20°C~30°C
Storage temperature	-15°C~60°C
Humidity	20-95% non-condensing
Cooling strategy	Fan
Weight	35kg      35kg
Dimension [W x H x D]	620*255.5*365mm      620*255.5*365mm
Enclosure protection rating	IP20
Communication	Wi-Fi (Optional)
Certificate	CE, UN38.3, TUV mark

[1]More than two batteries need to be connected to satisfy.

Battery Module	
Electrical Parameter	
Battery Type	LiFePO4
Battery Capacity per Kit [Wh]	5120
Usable Energy [Wh]	4600
Rated Voltage [V]	51.2
Voltage range [V]	44.8-57.6
Max. Charging and Discharging Rate	100A
Depth Of Discharge [DOD]	≤90%
Cycle Life(25°C,0.5C)	≥6000 times,80% Capacity retention
Scalability	Yes (up to 40.96kWh)
General Data	
Communication Mode	RS232/CAN2.0
Operating Temperature Range	0~50°C (Charge)/-10~50°C(Discharge)
Storage Temperature Range	-15°C~60°C
Cooling Method	Natural Convection
Altitude	<1000m
Ambient Humidity	20-95% non-condensing
Noise[dBA]	<25
Ingress Protection	IP20
Dimension [W x H x D]	620*139*365mm
Weight	46.7kg



Your paragraph text



SR Portables Pty. Ltd., is an Australian renewable energy solutions company. Our modern, efficient, and smart solar energy products are cost-effective, long-lasting & and environment-friendly with best-in-class technology. From commercial, and residential to off-grid applications, our products are designed to offer energy independence anytime, anywhere.

Visit our website [www.srportables.com](http://www.srportables.com) for more information or contact our technical team on **+61 3 8618 6984**