



SUNPOWER
RENEWABLES

THREE PHASE HYPERION

OFF - GRID ENERGY STORAGE SYSTEM



5KW
AC INVERTER

5.12KWH
STACKABLE UP TO 8
BATTERIES

150%
SURGE CAPACITY

5KW
SOLAR INPUT

6000+
CYCLE LIFE

426AH
PER BATTERY

THREE PHASE



Residential
Homes



Offices



Factories



Hotels



Mining



Ports



Malls



Educational
Facilities



Petrol
Pumps



*WITH BUILT IN FIRE SUPPRESSION

Technical Specifications

Model	Hyperion 5
Inverter Module	
Rated Voltage	51.2V
Voltage Range	44.8~57.6V
Depth Of Discharge [DOD]	95% (MAX) / 80% (Default)
Max. Discharge Current	110A
Max. Charge Current (AC+PV)	80A
Battery Type	Li-ion (LFP)
AC Output (Backup)	
Rated Power	5000W
Output Voltage	208/220/230/240Vac ± 5%
Output Frequency	50/60Hz ± 1%
Max Output Current	22.7A
Rated Current	21.7A
Peak Power	10000W
Overload Ability [1]	Battery Mode (Battery Max Output Current>200A): 1min@102~110Load 10s@110~130%Load 3s@130~150%Load 200ms@ > 150%Load
Output Wave	Pure Sine Wave
Peak Efficiency (Battery Mode)	>92%
Transfer Time	UPS Mode:10ms/APL Mode: 20ms
AC Input	
Input Sources	L+N+PE
AC Input Voltage Range	APL Mode:154~264Vac/UPS Mode:185~264Vac
Rated Input Voltage	208/220/230/240Vac±5%
AC Input Frequency	50/60Hz
PV Input	
Max PV Input Power	5500W
No. of MPP Trackers	1
Max. PV Input Voltage	450Vdc
MPPT Voltage Range	120~430Vdc
Best Voltage Range	300~340Vdc
Max. DC Input Current	18A
Max. DC Short Circuit Current	20A
General Data	
Range of WorkingTemperature	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
Altitude	<1000m
Cooling Strategy	Fan
Weight	14kg
Dimension [W x H x D]	620*170.5*365mm
Enclosure Protection Rating	IP20
Communication	Wi-Fi (Optional)

Battery Module	Hyperion Bat
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	RS485/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
Dimensions [W x H x D]	620*139*365mm
Weight	46.7kg



Sunpower Renewables 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 for more information or contact our technical team on Tel. 9315964687