LITHIUM-ION BATTERY

(FOR HOME ESS)

- Reliable.
- Safe.
- Efficient.
- For Every Home.



POWERING YOUR EVERYDAY NEEDS

- Residential Inverters
- Household UPS
- Computers
- LED TV
- Fans
- LED Bulbs
- Solar + Storage Systems
- Tube Lights

TECHNICAL DATASHEET

LITHIUM BATTERY PACKS

Parameters	12V / 100Ah / 1.28kWh Battery Pack	24V / 100Ah / 2.56kWh Battery Pack	51.2V / 100Ah / 5.12kWh Battery Pack
Model No.	SW12100	SW24100	SW51100
Configuration	1P4S	1P8S	1P16S
Nominal Voltage	12.8 V	25.6 V	51.2 V
Cell Capacity	100 Ah	100 Ah	100 Ah
Nominal Energy	1.28 kWh	2.56 kWh	5.12 kWh
Battery Chemistry	LFP	LFP	LFP
Continuous Charge Current	50 A	50 A	50 A
Maximum Charge Current	80 A	80 A	80 A
Nominal Discharge Current	50 A	50 A	50 A
Maximum Discharge Current	80 A	80 A	80 A
Max. Charge Voltage	14.6 V	29.2 V	58.4 V
Min. Discharge Voltage	10.6 V	21.2 V	42.4 V
Dimensions (L x W x H)	325 x 196 x 170 MM	450 x 260 x 170 MM	665 x 423 x 185 MM
Operating Temperature @Charge	0 ~ +55°C	0 ~ +55°C	0 ~ +55°C
Operating Temperature @Discharge	-10°C ~ +55°C	-10°C ~ +55°C	-10°C ~ +55°C
Protection Features	• Over-Voltage / Under Voltage Protection • Charge & Discharge Over Current Protection • Over-Discharge • Short-Circuit • Under-Temperature • Over-Temperature	• Over-Voltage / Under Voltage Protection • Charge & Discharge Over Current Protection • Over-Discharge • Short-Circuit • Under-Temperature • Over-Temperature	• Over-Voltage / Under Voltage Protection • Charge & Discharge Over Current Protection • Over-Discharge • Short-Circuit • Under-Temperature • Over-Temperature
Certifications	IS16270, IEC62619 or UL 1973, UN38.3	IS16270, IEC62619 or UL 1973, UN38.3	IS16270, IEC62619 or UL 1973, UN38.3

WHY CHOOSE SOLARWORLD LITHIUM-ION BATTERIES?

- **5 Years Product Warranty**
- **High Performance**
- **Longer Life**
- **Environment Friendly**
- **Advanced Safety with BMS**
- **Reliable After-Sales Support**

SOLARWORLD

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MAKE IN INDIA

SCAN TO DOWNLOAD DATASHEET