



Eco Friendly

Long Life

Quick Charging

Maintenance Free



Smart BMS

100AH /51.2V/5.12KWH LITHIUM BATTERY (LFP)

Specifications

Normal Voltage	51.2V
Rated Capacity	100Ah
Nominal Energy @ 25°C	5120Wh
Battery Configuration	16S (1P) - 100Ah
BMS	Smart BMS with Bluetooth connectivity
Cell type & Chemistry	Prismatic / LiFePO4 (LFP)
Application	Solar / Inverter

Charging Specifications

Battery Operation Voltage Range	46.4 V - 56.8 V
Maximum Charging Current	50 Amps
Continus Charging Current	40 Amps
Max. Charging Time	2Hr @ 50 Amps
Operating Temperature while charging	0°C - 50°C

Discharge Specifications

Max. Discharge Current	100 Amps
Continuous Discharge Current	80 Amps
Max. Discharge Time	1 Hr @ 100 Amps
Operating Temperature while Discharging	0°C - 50°C

SOC / Communication

Recommended operating range of SOC	20% - 90%
Minimum SOC Required for long time storage	50% of Rate capacity (Ah)
Communication Interface	UART / RS485 - CAN
Inbuilt Display	Provided
MCB	Yes
Cycle Life	25°C_0.5C/0.5C >3000cycles @80% SOH 45°C_0.5C/0.5C >2000cycles @80% SOH

Protection

Battery Hi Voltage	Yes	Cell Low Voltage	Yes
Cell Hi Voltage	Yes	Overload	Yes
Battery Low Voltage	Yes	Short Circuit	Yes
Temperature	Yes		

Dimension & Weight

Dimension MM (L*W*H)	
Weight	50 Kg