



100AH / 12.8V / 1.28KWH LITHIUM BATTERY (LFP)

Specifications

Normal Voltage	12.8V
Rated Capacity	100Ah
Nominal Energy @ 25°C	1280Wh
Battery Configuration	4S 1P - 100Ah
BMS	Smart BMS with Bluetooth connectivity
Cell type & Chemistry	Prismatic / LiFePO4 (LFP)
Application	Solar / Inverter

Charging Specifications

Battery Operation Voltage Range	11.6-14.4
Maximum Charging Current	60 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	120 Amps
Continuous Discharge Current	100 Amps
Max. Discharge Time	1Hr @ 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	No
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)	320 * 250* 150
Weight	12 Kg