



Eco Friendly



Long Life



Quick Charging



Maintenance Free

Smart BMS

## 200AH /12.8V/2.56KWH LITHIUM BATTERY (LFP)

### Specifications

Normal Voltage	12.8V
Rated Capacity	200Ah
Nominal Energy @ 25°C	2560Wh
Battery Configuration	4S (1P) - 200Ah / 4SX2(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 V -14.4V
Maximum Charging Current	80 Amps
Continus Charging Current	120 Amps
Max. Charging Time	2.5Hr @ 80 Amps
Operating Temperature while charging	0°C - 50°C

### Discharge Specifications

Max. Discharge Current	150 Amps
Continuous Discharge Current	120 Amps
Max. Discharge Time	1.65Hr @ 120 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)	480 * 280* 200
Weight	25 Kg