



## LITHIUM IRON PHOSPHATE(LIFEPO4) BATTER SUPPLIER

### Wall Mounted 51.2V 10KWH LiFePO4 Battery with Smart BMS

#### ELECTIRCAL SPECIFICATION

Nominal Voltage	51.2V
Nominal Capacity	200AH
Capacity @40A	5HR
Energy	10240Wh
Resistance	≤20m Ω
Efficiency	99%
Self Discharge	< 3% per month
Max. Modules in Series	/



#### DISCHARGE SPECIFICATION

Commanded Cont. Discharge	100A
Max. Cont. Discharge Current	200A
Peak Discharge Current	400A(3s)
BMS Discharge Current	500A±100A(10mS)
Recommend Cut-off voltage	38.4V
BMS Discharge Cut-off	36.8V
Short Circuit Protection	200-600 μs

#### CHARGE SPECIFICATION

Recommended Charge Current	20-100A
Max. Charge Current	100A
Peak Charge Current	100A(30s)
BMS Charge Voltage Cut-off	58.4V (1±0.2S)
Reconnect Voltage	57.3V-58.4V
Balancing Current	/
Balancing Voltage	/
Charge Current (-20 to -10 °C)	≤0.05 C

#### MECHANICAL SPECIFICATION

Dimensions (L*W*H)	508*190*700mm
Weight	78KG ± 0.5KG
Terminal Type	Screw Stud
Case Material	Metal Case
Enclosure Protection	IP55
Cell Type: Prismatic 200Ah	16S1P
Total Cell	16 PIECES

#### TEMPERATURE SPECIFICATION

Discharge Temperature	-20°C to 60 °C
Charge Temperature	0 °C to 45 °C
Storage Temperature	-20°C to 40 °C
Peak High Temperature	80 °C
Reconnect Temperature	50 °C

#### OTHER CUSTOMISE SERVICE

SMARTFUCTION:RS485/RS232/CAN/BLUETOOTH
CHARGE/DISCHARGE CURRENT, BATTERY SIZE, OEM

#### FEATURE & BENIFITS

- HIGH CYCLE LIFE: > 6000 times for effectively lower cost of ownership
- BATTERY PACK BUILT-IN BMS Protection: Battery Management System are incorporated to protect battery from OVER CHARGING, OVER DISCHARGING, SHORT CIRCUIT
- LIGHT WEIGHT: Dry power lithium batteries has higher energy density, wh/kg also being up to 1/3 of SLA battery
- WIDE OPERATING TEMPERATURE RANGE: Suitable for users in a wider range of application where ambient temperature is unusually high: up to +60° C
- STEADY OUTPUT VOLTAGE, VIBRATION &SHOCK RESISTANT, NO MEMORY EFFECT, PRESSURE RESISTANT CELLS

## SUITABLE APPLICATIONS

- Lithium Iron Phosphate can be used in any application that would normally use Lead Acid, GEL, or AGM type batteries.
- LiFePO<sub>4</sub> in 4S=12.8V and 8S=25.6V is closed to Lead Acid equivalents of the Lithium rechargeable types
- Suitable applications included caravan, marine, golf carts, solar storage, remote monitoring, switching applications

## CAUTIONS

- Do NOT expose the battery to water
- Do NOT expose the battery to fire & high temperature
- Do NOT short circuit, crush or disassemble
- Only use LiFePO<sub>4</sub> charger
- Store at 50% capacity, recharge every 3 months. The storage area should be clean, cool, dry and ventilated.