

Stackable 51.2V 15KWH LiFePO4 Battery with Smart BMS

ELECTIRCAL SPECIFICATION

Nominal Voltage	51.2V
Nominal Capacity	300AH
Capacity @60A	5HR
Energy	15360KWH
Resistance	≤20m Ω
Efficiency	99%
Self Discharge	< 3% per month
Max. Modules in Series	/



DISCHARGE SPECIFICATION

Cont. Discharge	150A
Max. Cont. Discharge Current	200A/Module
Peak Discharge Current	400A(3s)/Module
BMS Discharge Current	500A±100A(10mS)/Module
Recommend Cut-off voltage	38.4V
BMS Discharge Cut-off	36.8V
Short Circuit Protection	200-600 μs

CHARGE SPECIFICATION

Recommended Charge Current	50-100A
Max. Charge Current	150A
Peak Charge Current	200A(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)	690*590*390mm
Weight	132KG ± 1KG
Terminal Type	Screw Stud M8
Case Material	Metal Case
Enclosure Protection	IP65
Modules Cell: 3.2V 300AH	16S1P
Total Cell	16PCS

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

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- STEADY OUTPUT VOLTAGE, VIBRATION & SHOCK RESISTANT, NO MEMORY EFFECT, PRESSURE RESISTANT CELLS
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SUITABLE APPLICATIONS

- Lithium Iron Phosphate(LiFePO₄) Battery Pack be used grade A LiFePO₄ Battery cells lifespan up to 15 years
- Suitable for most of solar inverters and MPPT solar controllers
- Suitable applications for home/ commercial solar energy storage system, easy to install and operate

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 LiFePO₄ charger
- Store at 50% capacity, recharge every 3 months. The storage area should be clean, cool, dry and ventilated.