24V 7.2AH LiFePO4 Battery Pack

ELECTRICAL SPECIFICATION

Nominal Voltage	24V(25.6V)
Nominal Capacity	7.2AH
Capacity @1.4A	5HR
Energy	184Wh
Resistance	≤20mΩ
Efficiency	99%
Self Discharge	< 3% per month
Max. Modules in Series	/

DISCHARGE SPECIFICATION

Cont. Discharge	5A
Max. Cont. Discharge Current	7A
Peak Discharge Current	10A(3s)
BMS Discharge Current	15A±1A(10mS)
Recommend Cut-off voltage	19.2V
BMS Discharge Cut-off	18.4V
Short Circuit Protection	200-600 μs

CHARGE SPECIFICATION

Recommended Charge Current	2A-5A
Max. Charge Current	7A
Peak Charge Current	7A(30s)
BMS Charge Voltage Cut-off	29.2V （1±0.2S）
Reconnect Voltage	28.4V-29.2V
Balancing Current	/
Balancing Voltage	/
Charge Current (-20 to -10 °C)	≤0.05 C

MECHANICAL SPECIFICATION

Dimensions（L*W*H）	181*76*170mm
Weight	2KG±0.5KG
Terminal Type	Screw Stud
Case Material	ABS
Enclosure Protection	IP65
Cell Type:	8S2P
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 & BENEFITS

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