



3.2V 100AH LiFePO4 Battery Cell

ELECTIRCAL SPECIFICATION

Nominal Voltage	3.2V
Nominal Capacity	100AH
Capacity @20A	5HR
Energy	320Wh
Resistance	≤2.5m Ω
Efficiency	99%
Self Discharge	< 3% per month
Life Cycle	2000-5000



DISCHARGE SPECIFICATIONS

Recommended Discharge Current	100A
Max. Cont. Discharge	100A
Peak Discharge Current	300A
Recommend Cut-off voltage	2.5V

MECHANICAL SPECIFICATIONS

Dimensions (L*W*H)	200*27*175mm
Weight	2KG
Terminal Type	Screw
Shape Type	Prismatic

CHARGE SPECIFICATION

Recommended Charge Current	100A
Max. Charge Current	100A
Recommend Cut-off voltage	3.65V
Charge method	CC/CV

TEMPERATURE SPECIFICATION

Discharge Temperature	-20°C to 60 °C
Charge Temperature	0 °C to 45 °C
Storage Temperature	-20°C to 40 °C

Note: IF YOU NEED HIGHER CHARGE/DISCHARGE/PEAK CURRENT, PLEASE LET US KNOW,WE CAN MAKE UPGRADE MODEL

FEATURES & PERFORMANCE

1. 2000-5000 LIFE CYCLES
2. INCREASED SAFETY PERFORMANCE
3. WIDE OPERATING TEMPERATURE RANGE
4. HIGH TEMPERATURE PERFORMANCE
5. GREEN ENERGY WITHOUT CONTAMINANTS
6. PRESSURE RESISTANT CELLS
7. HIGH CAPACITY SYSTEM
8. STEADY OUTPUT VOLTAGE
9. <3% YEARLY DISCHARGE STORAGE
10. TRIPLE SAFETY PROTECTION
11. VIBRATION & SHOCK RESISTANT

SAFETY PROTECTION

1. OVER CHARGING
2. OVER CHARGING
3. SHORT CIRCUIT
4. PENETRATION
5. THERMAL SHOCK
6. NO FIRES
7. NO EXPLOSIONS

12. NO MEMORY EFFECT

WARNINGS

- NEVER CONNECT THE POSITIVE AND THE NEGATIVE OF THE BATTERY WITH METAL
- NEVER SHIP OR STORE THE BATTERY WITH METAL
- NEVER CUT OR PUNCTURE THE BATTERY
- DO NOT EXPOSE THE BATTERY TO WATER
- DO NOT EXPOSE THE BATTERY TO FIRE & HIGH TEMPERATURE

STORAGE & NON USE

- STORE IN A DRY PLACE WITH TEMPERATURE NOT EXCEEDING 85°F OR 30°C
- FOR LONG TERM STORAGE KEEP BATTERY CHARGED 30%-50% OF CAPACITY
- DO NOT STORE BATTERY WITH METAL
- USE TERMINAL POST COVERS TO PREVENT ANY SHORT CIRCUIT CIRCUMSTANCES

LITHIUM VALLEY WARRANTY TERMS

OUR COMPANY OFFER 2 YEARS FACTORY BACKED WARRANTY THAT COVERS MANUFACTURER DEFECTS. WITHIN THE WARRANTY TIMEFRAME, WE WILL REPAIR OR REPLACE THE BATTERY WITH A NEW OR REMANUFACTURED BATTERY.

COVERED CONDITION

- 1>BMS DAMAGE WITHIN 2 YEARS,WE CAN SEND FREE REPLACEMENT BMS AND TRAIN YOU HOW TO REPLACE IT,AFTER 2 YEARES,BMS REPLACEMENT UNITS CAN BE SEND ONLY AFTER PAYING.
- 2>FOR PROBLEMS CUSTOMER CAN NOT HANDLE,WE CAN SEND ENGINEER OR LOCAL COOPERATE AGENT TO FIX THE PROBLEM
- 3>FOR CELL DEFECT(VERY FEW PECENTAGE) OR BIG PROBLEM,WE CAN SEND REPLACEMENT BATTERY CELL OR NEW BATTERY DIRECTLY

NOT COVERED BY WARRANTY

- 1>DAMAGED CAUSED BY ACCIDENTS OR ACTS OF GOD
- 2>LOSE TERMINAL BOLTS AND CORROSION
- 3>FAILURE TO PROPERLY INSTALL THE BATTERY, MAINTAIN, & CHARGE
- 4>IRE, INTENSE HEAT, & FREEZING
- 5>WATER DAMAGE AND MOISTURE
- 6>TAMPERING OF THE BATTERY PACK