



TECHNICAL LITHIUM IRON PHOSPHATE BATTERY DATA 12V 100AH LIFEPO4 BATTERY



DIMENSIONS

LENGTH	WIDTH	HEIGHT	WEIGHT	Remark
13 in.	6.89 in.	8.66 in.	33 lb.	With case

PRODUCT SPECIFICATIONS

NOMINAL VOLTAGE	12.8V	CELL CONFIGURATION	A123 3.2V20AH
NOMINAL CAPACITY	100AH	TOTAL CELLS	20 pieces
DISCHARGE CUT-OFF	10V	IMPEDANCE	≤200 mΩ
CHARGE CUT-OFF	14.6V	DISCHARGE TEMPERATURE RANGE	-4°F ~ 140°F -20°C ~ 60°C
CHARGE CURRENT	100A	CHARGE TEMPERATURE RANGE	32°F ~ 113°F 0°C ~ 45°C
CONTINUOUS DISCHARGE CURRENT	100A	CHARGE METHOD	CC/CV
PEAK DISCHARGE	150A	CYCLE LIFE	2000-5000

NOTE : IF YOU NEED HIGHER CHARGE/DISCHARGE/PEAK CURRENT, PLEASE LET US KNOW; WE CAN MAKE UP THE GRADE MODEL

ENERGY CAPACITY HOURS

@ 10AH	@ 25AH	@ 100AH	TOTAL ENERGY
10HR	4HR	1HR	1280 Wh

INTERNAL DESIGN

BOLTED	WELDED
	X

FEATURES & PERFORMANCE

- 2000-5000 LIFE CYCLES
- INCREASED SAFETY PERFORMANCE
- WIDE OPERATING TEMPERATURE RANGE
- HIGH TEMPERATURE PERFORMANCE
- GREEN ENERGY WITHOUT CONTAMINANTS
- PRESSURE RESISTANT CELLS
- HIGH CAPACITY SYSTEM
- STEADY OUTPUT VOLTAGE
- <3% YEARLY DISCHARGE STORAGE
- TRIPLE SAFETY PROTECTION
- VIBRATION & SHOCK RESISTANT
- NO MEMORY EFFECT

SAFETY PROTECTION

- OVER CHARGING
- OVER DISCHARGING
- SHORT CIRCUIT
- PENETRATION
- THERMAL SHOCK
- NO FIRES
- NO EXPLOSIONS

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 TEMPERATURES**

STORAGE & NON USE

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

WARRANTY TERMS

LBS OFFERS A 2-YEAR FACTORY-BACKED WARRANTY THAT COVERS MANUFACTURER DEFECTS; WITHIN THE WARRANTY TIME FRAME, THE LIFEPO4 BATTERY COMPANY WILL REPAIR OR REPLACE THE BATTERY WITH A NEW OR REMANUFACTURED BATTERY.

NOT COVERED BY WARRANTY:

- **DAMAGE CAUSED BY ACCIDENTS OR ACTS OF GOD**
- **LOOSE TERMINAL BOLTS AND CORROSION**
- **FAILURE TO INSTALL THE BATTERY PROPERLY OR MAINTAIN & CHARGE IT**
- **FIRE, INTENSE HEAT, & FREEZING**
- **WATER DAMAGE AND MOISTURE**
- **TAMPERING OF THE BATTERY CASE**

ADDITIONAL PRODUCT INFORMATION

LBS MAKES EVERY ATTEMPT TO VERIFY THAT ITS PRODUCTS ARE USED AND DESIGNED FOR YOUR APPLICATION. FOR ADDITIONAL QUESTIONS OR CONCERNS PLEASE FEEL FREE TO CONTACT US AT +1 (941) 210-4921 OR AT INFO@LITHIUMBATTERYSTORE.COM MORE INFORMATION ABOUT OUR WARRANTY AND PRODUCT GUIDELINES CAN BE FOUND AT <https://www.lithiumbattery.com/>