



## TECHNICAL LITHIUM IRON PHOSPHATE BATTERY DATA 12V 40AH LIFEPO4 BATTERY

### DIMENSIONS

LENGTH	WIDTH	HEIGHT	WEIGHT	Remark
11.9 in.	7.5 in.	4 in.	18 lb.	With case

### PRODUCT SPECIFICATIONS

NOMINAL VOLTAGE	12.8V	CELL CONFIGURATION	A123 3.2V20AH
NOMINAL CAPACITY	40AH	TOTAL CELLS	8 pieces
DISCHARGE CUT-OFF	10V	IMPEDANCE	$\leq 20 \text{ m}\Omega$
CHARGE CUT-OFF	14.6V	DISCHARGE TEMPERATURE RANGE	-4°F ~ 140°F -20°C ~ 60°C
CHARGE CURRENT	20A	CHARGE TEMPERATURE RANGE	32°F ~ 113°F 0°C ~ 45°C
CONTINUOUS DISCHARGE CURRENT	40A	CHARGE METHOD	CC/CV
PEAK DISCHARGE	80A	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

@ 4AH	@ 10AH	@ 40AH	TOTAL ENERGY
10HR	4HR	1HR	512 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](mailto:INFO@LITHIUMBATTERYSTORE.COM) MORE INFORMATION ABOUT OUR WARRANTY AND PRODUCT GUIDELINES CAN BE FOUND AT <https://www.lithiumbatterystore.com/>**