

TECHNICAL LITHIUM IRON PHOSPHATE BATTERY DATA 48V 40AH LIFEPO4 BATTERY

DIMENSIONS

LENGTH	WIDTH	HEIGHT	WEIGHT	Remark
20.6 in.	9.33 in.	8.5 in.	44 lb.	With case



PRODUCT SPECIFICATIONS

NOMINAL VOLTAGE	51.2V	CELL CONFIGURATION	A123 3.2V20AH
NOMINAL CAPACITY	40AH	TOTAL CELLS	32 pieces
DISCHARGE CUT-OFF	40V	IMPEDANCE	≤20 mΩ
CHARGE CUT-OFF	58.4V	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	100A	CYCLE LIFE	2000–5000

NOTE : IF YOU NEED HIGHER CHARGE/DISCHARGE/PEAK CURRENT, PLEASE LET US KNOW. WE CAN MAKE THE UPGRADED MODEL. UP TO YOUR REQUIREMENTS.

ENERGY CAPACITY HOURS

@ 4AH	@ 10AH	@ 40AH	TOTAL ENERGY
10HR	4HR	1HR	2048 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.lithiumbatterystore.com/>