

ADCBATT

Power make dreams possible

12.8V 7.8Ah 99.84Wh
LiFePO4

DEEP CYCLE BATTERY

NEED HELP ? SUPPORT@ADCBATT.COM

USER MANUAL

ABLF12A78

NOMINAL VOLTAGE

12.8V

CAPACITY

≥7.8Ah / 1.6A discharge at 77°F

CHARGE

8A max at 14.6V±0.2V

This battery should be charged using a lifepo4 battery charger.

DISCHARGE

8A max continuous, 16A max. 3second pulse, 10V discharge cut off voltage.

1.6-4A recommended for longest lifetime

TEMPERATURE

Charge: 32 - 131°F

Discharge: -4 - 131°F

Storage: 50 - 86°F

Long Period Storage: 50% charged, charge the battery every 3 months

CYCLE LIFE (≥80% Capacity at 77°F)

>2000 cycles with 100% DOD, 1.6A

>6000 cycles with 50% DOD, 1.6A

MONTHLY SELF DISCHARGE

≤3.5% at 77°F

DIMENSION (L/W/H)

5.9x2.56x3.74inch / 150x65x95mm

WEIGHT

2.16Lbs/ 0.98Kg

TERMINALS

Standard F2

3 YEARS WARRANTY

Three Years manufacturer defect warranty

SMART BMS BUILT-IN

Over Charge Voltage Cut Off - Over Discharge Voltage Cut Off

Over Discharge Current Cut Off - Short Circuit Protection

Cell Balancing

CERTIFICATION

All batteries are UN 38 certified. ADCBATT's cells are UL1642 certified and complied with IEC62133 standards. Meets all International regulations for ground, train, air & sea transport.

CAUTION

THIS BATTERY SHOULD BE CHARGED USING A LIFEPO4 BATTERY CHARGER AND THE CHARGE VOLTAGE/CURRENT IS $14.6 \pm 0.2V$ / 8A MAX.
RISK OF FIRE OR EXPLOSION - AVOID MECHANICAL SHOCK
DO NOT SHORT CIRCUIT - DO NOT CRUSH
DO NOT DISASSEMBLE - DO NOT INCINERATE
DO NOT HEAT OVER 150°F - DO NOT CHARGE OVER 15V
DO NOT THROW THE BATTERY INTO WATER OR FIRE
DO NOT USE OTHER BRAND BATTERY OR OTHER TYPE BATTERY INTO SERIES OR PARALLEL (BMS SETTING IS DIFFERENT)
DO NOT REVERSE CONNECTION FROM THE BATTERY TO CHARGER
KEEP THE BATTERY AWAY FROM FIRE, DANGEROUS GOODS OR MATERIALS

MAX CONNECT

48V (4PCS 12V Battery in Series)

31.2Ah (4PCS 12V Battery in Parallel)

Please fully charged the battery before connected.

Please do not connect the other brand lifepo4 battery due to the bms setting is different.

SUITABLE FOR

Fish Finders, Flashers, Boating Electronics

Ice Fishing

Kids Toy Scooter Batteries

Solar Lighting

Hiking

Camping

Remote Power

Outdoor Adventures

and more...

FAQS**What should I do if the battery is 0V ?**

Don't worry. Due to the over current or short circuit protection is tripped, please disconnect the battery cable from the load, test the battery voltage, if the voltage is more than 10V, reconnect the battery cable. If the voltage is lower than 10V, please contact our technical team, support@adcbatt.com.

Is it necessary to charge the battery out of the box ?

Yes, you need to fully charge the battery. NOTE: Please also fully charge the battery if you want to connect the battery in series or parallel.

How can I check the battery voltage ?

If you don't have a battery monitor, you can use a multimeter to monitor the voltage.

Can I mount the battery in any position ?

You can mount our battery in any position. Please make sure to secure and protect the terminals when mounting.

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Li-ion



Made in China