

# USER MANUAL

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## Battery charger LiFePO4 YZPOWER

The logo for YZPOWER, featuring the brand name in a bold, blue, sans-serif font. The letters are slightly shadowed, giving it a 3D appearance as if it's floating above a light blue rectangular base.

## Parameters:

Automatical battery charger LiFePO4.

Producer: YZPOWER

Technical parameters of the charger model (number of cells in series, input, output, battery voltage, dimensions, weight etc.) are indicated on the charger label or available on the seller's e-shop.

## General safety instructions:



health!

In case of damage to property, the device or human health caused by the device not being used in accordance with the user manual, the user not only loses the right to warranty but also in these cases the manufacturer disclaims liability for damage to property and human

- This product is not a toy and it is not intended for children.
- Unplug the charger from the source of electricity when you do not use it.
- This product does not need to be repaired or adjusted, so please do not disassemble this charger. There is an increased risk of electric shock if the wire is touched.
- Please check the insulation of this device as well as the cable for connection to the power supply.
- Avoid the risk of short-circuiting of connectors or the device. Short-circuiting may cause fire or electric shock.
- Never connect this charger to unapproved 230V mains or mains voltage other than specified.
- The supply of fresh air is important during charging, the ventilation openings on the sides of the device must remain free.
- Do not place this charger on a carpet. Place it on a firm, flat, non-flammable and stable surface.
- If you bring the charger from a cold to warm environment, you must first wait for the temperature of the device and the room to equalize. The resulting condensed water could damage the charger.
- If you connect other devices to this charger, you also need to follow the safety instructions of such devices.
- Do not apply high mechanical pressure to the device.
- Do not expose this charger to extreme temperatures, direct sunlight, strong vibrations or humidity.
- Do not use or store this charger near an open flame, heaters or other source of high temperatures.

- Before using this charger, please check if there is no damage to the device or connection cables. In case of any damage, please do not use this device! Always unwind and straighten the cables before use.
- If the device is also used for a commercial purpose, the company's safety rules are also binding for the user.
- In case that this device is used at school, educational facilities, hobby workshops, etc., the supervision of a qualified person is required.

This device can only be used indoors with acceptable conditions, otherwise you will damage the device. Undesirable conditions are:

- high air humidity (above 80 % of relative humidity, condensation)
- humidity
- dust, flammable gases, vapors from cleaning agents, petrol
- high ambient temperature (more than 50 °C). The safe operating temperature of this charger is between -20°C ~ 50°C.
- electromagnetic fields (motors, transformers etc.) or other electric fields.

#### **Battery safety:**

- This charger is suitable only for **LiFePO4** batteries. If you try to charge any other type of battery, it may cause personal injuries and property damage.
- Do not try to charge batteries which are not intended for recharging.
- Please follow the instructions of battery producer.
- When inserting the batteries, please pay attention to the correct polarity.
- If you are not going to use this charger for a longer period of time, please remove batteries from this charger. This will prevent unnecessary damage to the device if the batteries leak. If the batteries are damaged, it is necessary to use protective gloves. The batteries contain acid which can damage your skin.
- Please keep the batteries out of the reach of children and do not leave them lying around, as they can be swallowed directly by children or animals.
- Insert only batteries which are equally discharged, as charging old and new batteries at the same time may damage the device during discharging.
- Do not separate the batteries, do not throw them in fire, do not short-circuit them or do not attempt to charge batteries which are not intended for charging. Otherwise there is a risk of explosion!

#### **Battery charging:**



Charging type: CC/CV

Charging parameters of a specific charger model (charging voltage, charging current etc.) are indicated on the charger label or available on the seller's e-shop.

- Always charge batteries of the same type, size and capacity at the same time.
- It is recommended to connect the charger to the batteries using croco clips.
- Connect the charger to a 230V mains socket.
- The charging process will start automatically and it will stop after the charging is complete.
- The process of charging is indicated by the red colour on the LED indicator.
- As soon as the batteries are fully charged, the LED indicator will turn green. At this time, you can remove the batteries from the charger.
- Please do not interrupt the charging cycle before it stops automatically. Also please do not disconnect the battery before the charging cycle has stopped.
- If the battery is damaged or if any other defect occurs, the LED indicator starts to flash (red/green). If the polarity is reversed, the charger will not start the charging process.

### **Maintenance, care and disposal:**

It is not necessary for the user to clean, adjust or repair any part of this device, and therefore do not disassemble the charger under any circumstances. Please use only a dry antistatic cloth for cleaning. Never use aggressive cleaning agents or solvents. Also please disconnect this device from the power supply before cleaning.



In the interest of nature protection and possible reuse of raw materials, take the damaged or unused device to a collection point for electrical scrap. The symbol of the crossed-out wheeled-bin informs the user, that he/she is obliged to hand over the product marked in this way to a collection point for electrical scrap, so that the waste can be disposed of ecologically and usable raw materials

can be used for further production.

The user is obliged by law to return empty or damaged batteries to places designated for this purpose, such as a shop or a place for collecting raw materials. It is forbidden to dispose of batteries together with municipal waste! Therefore, a symbol is placed on all batteries and accumulators to draw attention to these waste management laws. Important for marking is the content of heavy metals – either Cd = Cadmium, Hg = Mercury or Pb = Lead. This mark of chemical composition can be found under the crossed-out wheeled-bin symbol.

### **Warranty conditions:**

- RESACS s.r.o. provides a warranty for a period of 24 months from the date of sale of the product to the final user.

- The warranty does not cover defects caused by:
  - mechanical damage
  - intervention of an unauthorised person (including the user - consumer)
  - an unavoidable event (natural disaster, lightning, fire etc.)
  - usual wear out
  - a failure to follow the instructions in the user manual
  
- Defects caused during the warranty period by a manufacturing error or by a material defect will be rectified free of charge.
- The rights under this warranty can be applied at the point of sale.

<p><b>Billing address:</b></p> <p>RESACS s.r.o.</p> <p>tř. Osvobození 175</p> <p>765 02 Otrokovice – Kvítkovice</p> <p>Czech Republic</p>	<p><b>Technical support:</b></p> <p>+420 777 213 782</p> <p>info@resacs.cz</p> <p>www.resacs.cz</p>
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**Business premises and shipping address:**

RESACS s.r.o.

Areál Tos

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