

# Power supply socket 16.8V, 8A, 5.5x2.1mm, Li-ion battery charger

## Product codes:

Reference: AM1651

EAN13: -

UPC: 85044090



## Product features:

Input voltage: 100-240 V AC, 50/60 Hz

Output voltage: 16.8 V DC

Output current: 8 A

Output power: 150 W

Cable length: 100 cm

Connector: 5.5x2.1 mm

## Product attributes:

## Product description:

Powerful intelligent charger designed for lithium-ion and lithium-polymer batteries in 4S connection with a nominal voltage of 14.4 V and a final charging voltage of 16.8 V. Thanks to the high charging current of 8 A, it is suitable for fast and stable charging of battery packs in industrial applications, e-bikes, robots, cordless tools or backup systems. The charger operates in CC/CV mode and automatically stops charging when full.

## Technical specifications

- Input voltage: 100-240V AC, 50/60Hz
  - Output voltage: 16.8V DC
  - Output current: 8 A
  - Maximum power: 150W
  - Battery type: Li-ion / Li-pol (4S)
  - Connector: DC 5.5 x 2.1mm
  - Status indication: red LED (charging), green LED (fully charged)
  - Protections: overvoltage, overcurrent, overload, short circuit
  - Degree of protection: IP20
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- Dimensions: 170 × 75 × 45 mm
- Weight: 380g
- Color: black

### **Functions and features**

- Intelligent charging in CC/CV mode for maximum battery life
- Automatic recognition of fully charged battery and termination of charging
- Clear LED charging status indication
- Complete electronic protection against battery damage
- Durable housing made of fireproof ABS plastic
- Compact dimensions with high performance

### **Ideal for**

- Lithium-ion and Li-pol 4S battery packs
- Electric bikes, scooters and mobile devices
- Robotics and automation technology
- Industrial and service use
- Backup power systems

### **Package contents**

- 1× Li-ion charger 16.8 V / 8 A
- 1× power cable

### **Why choose this product?**

- Fast charging with high current 8 A
- Fully automatic and safe operation
- Stable output suitable for sensitive batteries
- Long service life and high reliability
- Professional solutions for demanding applications

### **Charging and maintenance instructions**

- When charging, always connect the charger output connector to the battery first and then connect the charger to the mains. After charging is complete, proceed in the opposite direction: first disconnect the charger from the mains and only then disconnect the connector from the battery. Incorrect disconnection sequence can cause sparking at the connector and shorten the life of both the battery and the charger.
  - Before first use, check the compatibility of the battery type and charging parameters. This charger is designed for Li-ion / Li-pol batteries in 4S configuration (nominal 14.4 V, charging voltage 16.8 V). Do not use it for other chemistries and voltage configurations to
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avoid damage to the battery.

- Observe correct polarity and connector compatibility. If your device uses non-standard wiring, first verify that the center pin and connector shell match the required polarity of the battery or charging input of the device.
- During charging, monitor the LED indication. A red LED indicates charging in progress, a green LED indicates full charge or maintenance mode. If the LED behaves abnormally, stop charging and check the connection and battery status.
- After the LED turns green, leave the battery connected for another 2-3 hours. This will usually complete the cell equalization and recharge to full capacity, if the battery pack and any BMS system allows it.
- Charge only in a dry, well-ventilated area on a non-flammable surface. Do not expose the charger to rain, condensation or high humidity. Do not charge near flammable materials, solvents or dust.
- Ensure free air circulation around the charger. Do not cover it with textiles or place it in enclosed spaces without ventilation. Slight heating is normal during charging, but the charger must be able to dissipate heat.
- When not in use, unplug the charger from the electrical outlet. Leaving it unattended in an outlet for long periods of time is not recommended, especially in environments with fluctuating voltage or high humidity.
- Do not let the battery completely discharge to the minimum voltage. For a longer life of Li-ion batteries, it is advisable to recharge them before they reach deep discharge. Long-term storage of a fully discharged or completely discharged battery can reduce its capacity.
- When storing the battery and charger, keep it at room temperature and in a dry environment. Protect the charger from dust and mechanical damage to the cables. Do not bend the cable where it exits the charger body and do not pull on the cable when disconnecting.
- Check the connectors and wiring regularly. If the connector is loose, hot, blackened or shows signs of damage, do not continue charging and first eliminate the fault. Poor contact increases the contact resistance and can cause overheating.
- Charge under supervision and stop charging immediately if the battery behaves abnormally (odor, excessive heating, deformation of the package, unusual sounds). Unplug the charger and let the battery cool down in a safe place.

**Product gallery:**

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