

12 V / 50 A LiFePO4 battery charger

Fixed-output 14.6 V / 50 A - AC 180-240 V, 50 Hz - 750 W maximum



DOCUMENT STATUS

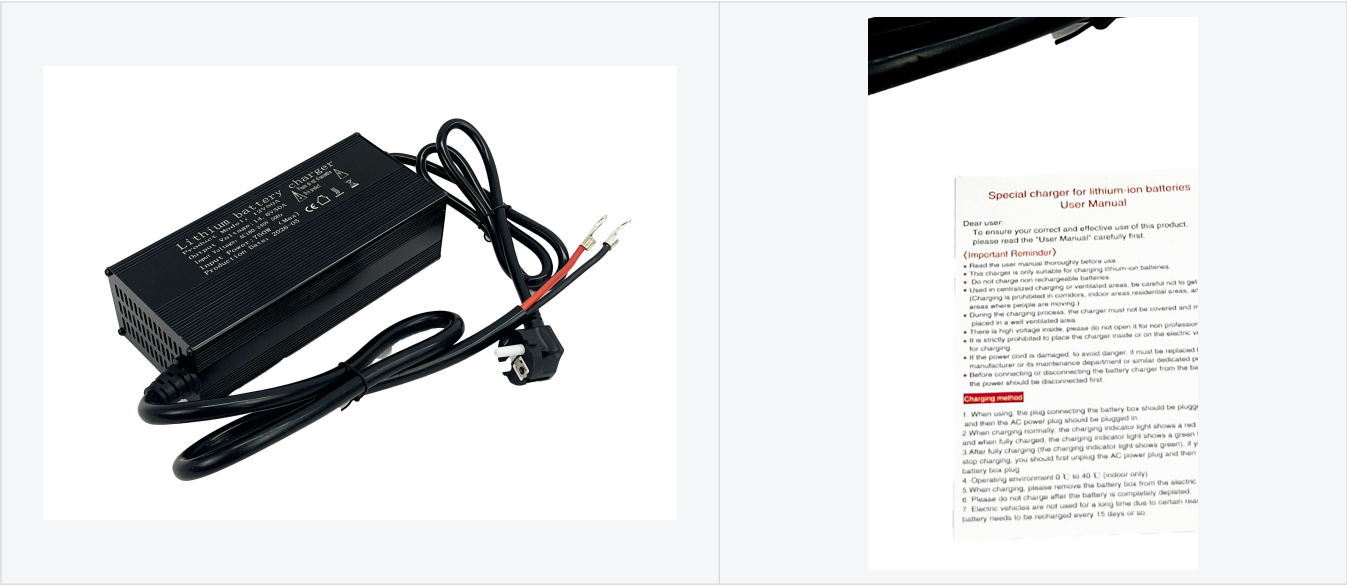
This is not a manufacturer-issued manual. It is an independent draft reference for the exact unbranded charger shown in database offer #476. Identification comes from the product label, all stored photographs and the included one-page instruction sheet visible in the offer imagery. The WAPUNO/Manuals+ page is used only as an independent copy of the same generic instruction text; it does not identify the product manufacturer.

Applicability

Linked only to offer #476: LiFePO4 charger from 220 V to 12 V, 50 A (code zaryadnoe-ustroystvo-lifepo4-ot-220v-na-12v-50a). It is not linked to the visually different 30 A and 40 A chargers in offers #453 and #454.

Exact-unit identification

Field	Confirmed value	Evidence and boundary
Printed product model	12V50A	Exact unit label; no manufacturer or distinct series is printed
DC output	14.6 V / 50 A	Exact unit label and database parameters
Battery application	4-series LiFePO4 battery system	Database title/parameters; use only when the battery and BMS permit 14.6 V and 50 A
AC input	180-240 V AC, 50 Hz	Exact unit label
Input power	750 W maximum	Exact unit label; not an efficiency statement
DC connection	Fixed red/black leads with ring terminals	Exact offer photographs; red is positive, black is negative
AC connection	Fixed EU plug lead	Exact offer photographs
Cooling	Rear forced-air fan	Exact offer photographs; keep the fan and vents unobstructed
Printed production date	2026-05	Date on the photographed unit; not the publication date of this reference



Left: exact charger and readable label. Right: crop of the generic one-page instruction included in the exact offer photograph. The crop is identification evidence, not a substituted original PDF.

Compatibility boundary

The enclosure says only 'lithium battery charger'. For this offer, the 14.6 V setpoint and database identification correspond to a 4S LiFePO4 system. Do not use this unit for a lead-acid battery, a different lithium chemistry, a different series count, or any battery whose specified charge voltage/current is lower. The product label does not prove zero-volt recovery, BMS activation, galvanic isolation, power-factor correction or any particular protection set.

Conservative quick start

At 50 A, a poor connection can overheat rapidly. Installation and cable/terminal suitability must be verified by a qualified person. Do not operate the charger unattended or near combustible material.

Step	Action	Check / reason
1	With AC disconnected, inspect the enclosure, plug, cables, ring terminals and rear fan. Place the charger indoors on a dry, stable, non-combustible surface with open ventilation.	The included instruction says indoor use, do not cover and avoid water; the photographed fan must remain unobstructed.
2	Confirm a 4S LiFePO4 battery whose manufacturer and BMS allow a 14.6 V charge voltage and at least 50 A charge current. Confirm the installation cabling, fuse/protection and terminals are rated for the actual current.	The charger is fixed at 14.6 V / 50 A; no current control is visible or documented.
3	Verify polarity before energising. Secure the red ring terminal to battery positive (+) and the black ring terminal to battery negative (-). Prevent either ring from touching the enclosure, vehicle body or the opposite terminal.	The included instruction gives battery connection before AC. Ring terminals require a secure, insulated bolted connection rather than a loose temporary contact.
4	After the DC connection is secure, connect the AC plug to a suitable 180-240 V, 50 Hz supply. Observe the charger, cables, terminals, battery and BMS during start-up.	The included instruction describes red indication while charging and green when charging is complete. Treat any other state as unresolved rather than guessing its meaning.
5	Charge only between 0 and 40 degrees C in a ventilated indoor area. Stop immediately for smoke, smell, arcing, abnormal noise, excessive heat, unstable indication, fan failure, cable/terminal heating or a BMS alarm.	0-40 degrees C and indoor use are stated in the included instruction; no narrower battery-temperature limit is supplied, so the battery maker's limit also applies.
6	When charging is complete or must be stopped, disconnect AC first. Wait for output to cease, then remove the battery connections without allowing the ring terminals to short.	The included instruction gives AC disconnection before the battery connection is removed.

RED	Charging, according to the included generic instruction
GREEN	Fully charged, according to the included generic instruction

Sources and limitations

Exact-unit evidence: offer #476 title, database parameters and five stored product photographs. Independent instruction-text copy: [WAPUNO LiFePO4 Battery Charger Manual at Manuals+](#). Manuals+ identifies itself as an independent publication and exposes a one-page source PDF, but its protected file could not be retrieved for checksum and page-level verification. The WAPUNO name is therefore not assigned to the photographed charger. This reference intentionally omits unsupported claims and remains a draft until the supplied paper manual and a physical unit are checked.