

Qoltec Specialist charger for 12V LiFePO4 batteries | 20A | PF 0.9 | LED | Smart charging

Product code: 52671

The automatic 12.8V LiFePO4 battery charger is a practical solution for the daily charging of lithium iron phosphate batteries. The device operates in CC/CV mode, offering a charging current of 20A and an output voltage of 14.6V 0.2V. With a power rating of 150W, efficiency of up to 90%, active fan cooling, an LED indicator and reverse polarity protection, it enhances both convenience and safety of use. It does not support lead-acid batteries.

AUTOMATIC LIFEPO4 CHARGING – CORRECT SETTINGS WITHOUT MANUAL ADJUSTMENT



High efficiency and effective cooling

With a power output of 292W and 90% efficiency, it ensures efficient battery charging whilst making effective use of energy . A built-in fan actively cools the components, allowing the charger to operate stably even during longer charging cycles. **An LED allows you to quickly check the device's operating status without the need for additional measurements. A red LED indicates that the charger is charging the battery, whilst a green LED indicates that the charging process is complete.**

SMART CC/CV CHARGING – TAILORED TO LIFEPO4 BATTERIES



Two-stage CC/CV charging mode

The charger uses a two-stage CC/CV charging mode, suitable for 12.8V LiFePO4 batteries . In the first CC (Constant Current) phase, the device charges the battery with a constant current of up to 20A 0.2A, ensuring rapid recharging. Once the correct voltage level is reached, it switches to the CV (Constant Voltage) phase, during which it maintains the voltage at 14.6V 0.2V, whilst the charging current gradually decreases. This allows for a controlled completion of the charging process without the need for manual adjustment.

ROBUST CONSTRUCTION, EFFECTIVE COOLING, RELIABLE OPERATION



Aluminium casing – durability and effective heat dissipation

The robust aluminium casing increases the charger's resistance to mechanical damage, whilst also aiding the dissipation of heat generated during operation. The ribbed surface of the casing increases the heat exchange area, working in conjunction with the active fan cooling. This allows the components to operate under more stable thermal conditions, even during longer charging cycles.

CONNECT CORRECTLY, CHARGE SAFELY



Connecting a LiFePO4 battery correctly – starting charging safely
Before starting to charge, ensure that the battery is a 12.8V LiFePO4 type and that the charger is disconnected from the mains. Connect the red terminal (+) to the positive terminal of the battery, then the black terminal (–) to the negative terminal. Once you have checked that the connections are correct, connect the charger to a 230V AC mains supply. The device will automatically start charging in CC/CV mode, which is tailored to the characteristics of LiFePO4 batteries. Once the process is complete, first disconnect the charger from the mains, then remove the black terminal, and finally the red one.

COMPREHENSIVE PROTECTION, AUTOMATIC MONITORING, SAFE CHARGING

Multi-level protection – safe charging at every stage
The charger is equipped with a range of safety features that protect both the device and the connected battery throughout the entire charging process. **Reverse polarity protection** safeguards against the effects of incorrect terminal connection, **overvoltage protection** limits the risk of exceeding the permissible voltage, and **thermal protection** responds to excessive temperature rises. Additional **short-circuit protection** enhances safety in the event of a short circuit. Once the appropriate charge level is reached, **the device automatically stops the charging process**, meaning it does not require constant supervision.

TRUST BACKED BY A GUARANTEE

This product comes with a 24-month warranty
Do you want to be sure of the high quality of the product you're buying? Our solutions will meet your expectations. The chargers we offer come with a **24-month warranty** valid from the date of purchase.

TECHNICAL DATA

Producer	Qoltec
Power	292W
Input voltage	220-240V
Output voltage	14.6V 0.2V
Battery voltage	12.8V
Type of charging	CC-CV
Output current	20A 0.2A
Connector	Red and black alligator clips
Efficiency	90%
Cooling system	1 x Fan
Display	No
Protection	reverse polarity protection overvoltage protection thermal protection short-circuit protection automatic charge termination
Protection against inverse polarity	Yes
Cable length	~0.80m
Power cord length	~0.85m
Usage	LiFePO4 batteries
Additional information	The charger does not have a standby mode
Notices	Do not use with lead-acid batteries. The charger is designed for charging 12.8V LiFePO4 batteries. The reverse polarity protection safeguards against incorrect connection of the terminals, but does not replace the manufacturer's recommendations regarding how to charge the battery.
OTHER PARAMETERS	
Colour	Black
Material	Plastic
Operating temperature	0 C do +40 C
Storage temperature	–10 C do +45 C
Dimensions (D/L x W x H)	90 x 215 x 65 mm
Package	Box
Package contents	1 x Battery charger
Package depth / length [mm]	175
Package width [mm]	300
Package height [mm]	85
Net weight [kg]	1.134
Gross weight [kg]	1.293
Certificate	CE
Warranty	24 month
EAN code	5901878526713