



## Qoltec Intelligent Microprocessor Charger 12V | 12.6V | 24V | Battery Charger with Repair Function for AGM, GEL, LiFePO4 Batteries | LCD

Product code: 52491

An intelligent microprocessor-controlled charger for charging and repairing 12V, 12.6V, and 24V batteries, equipped with an LCD display. Perfect for LiFePO4, AGM, GEL, SLA, and WET batteries in various vehicle types, such as cars, motorcycles, trucks, and campers. The charger offers 4 charging stages: Constant Current (CC), Constant Voltage (CV), Maintenance Charging, and Float Charging, ensuring fast and safe charging while maintaining optimal battery health over the long term.

### EXCELLENT EFFICIENCY THANKS TO INTELLIGENT CONTROL

**12V/24V**



### Qoltec Rectifier Fits Various Battery Types

The proper selection of an appropriate charger for the battery is crucial if you want your battery to serve you for a long time . The wrong charger can result not only in longer charging times, but also in a significant reduction in battery life.

The Qoltec charger offers microprocessor precision in charging – one charger is all you need for various battery types with capacities ranging from 4Ah to 105Ah . Perfect for LiFePO4, AGM, GEL, WET, SLA batteries. The charging time depends on the battery's discharge level and its actual capacity.

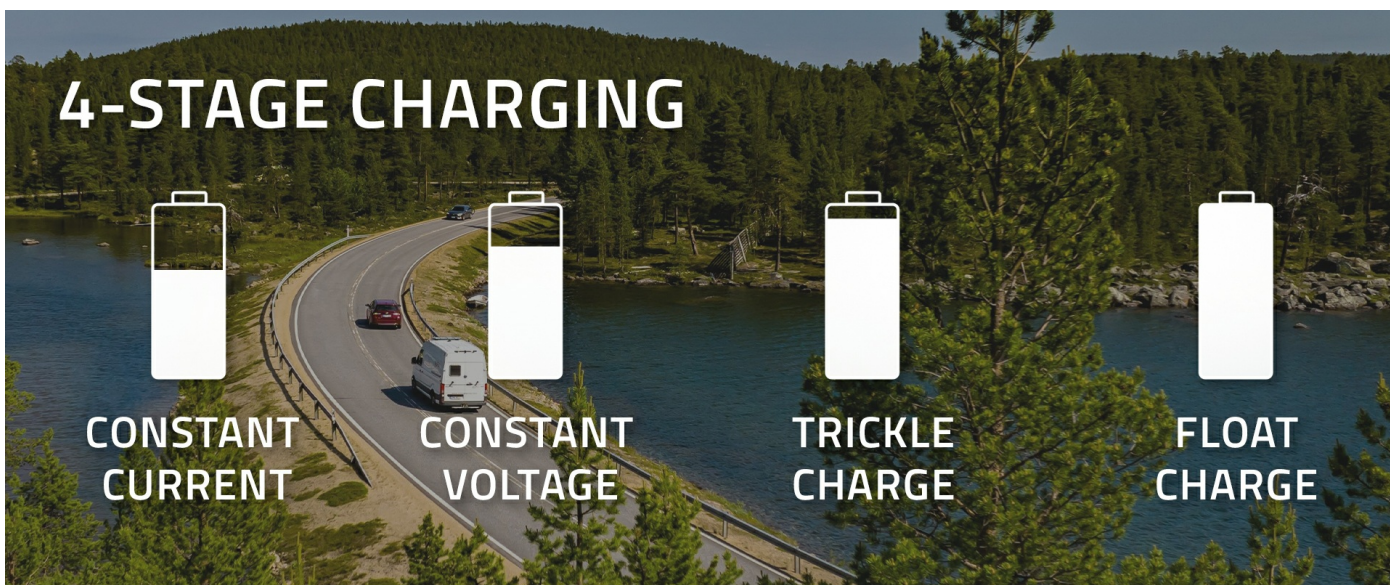
TRUST OUR CHARGERS - ENJOY UNINTERRUPTED ENERGY



Rectifier with microprocessor, automatic switch-off after charging, advanced safety features

Rectifier **microprocessor-controlled**, guarantees absolute safety of use, personalised charging for each type of battery, automatically switches off when the battery is fully charged, keeping the battery ready to use. So you don't have to worry about **overcharging** the battery. You can now safely and quickly recharge your battery. Product has advanced security features including reverse polarity, overvoltage and overcharge protection. Additionally **built-in fan** protects the device from overheating.

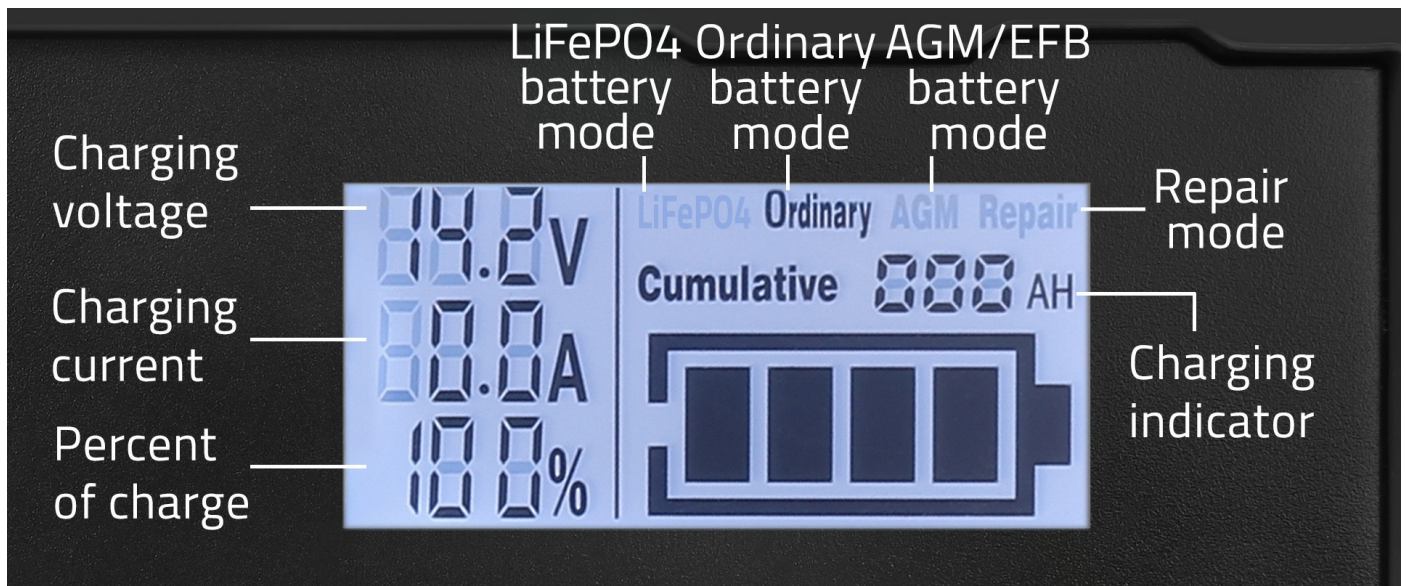
A PROFESSIONAL APPROACH TO OPTIMAL CHARGING AND LONG-LASTING BATTERY PERFORMANCE



### Precise 4-stage charging

The charger uses an intelligent 4-stage charging process that adjusts the voltage and current based on the battery's current charge state, ensuring optimal performance and care for the battery at each stage. It consists of four stages: **Constant Current (CC)**: The charger delivers a constant current to the battery while the voltage gradually increases. **Constant Voltage (CV)**: The charger maintains a constant voltage while the current decreases as the battery nears full charge. **Maintenance Charging**: A low, continuous current keeps the battery fully charged, compensating for self-discharge. **Float Charging**: A lower voltage is applied to keep the battery fully charged without the risk of overcharging, ideal for long-term maintenance.

## MULTIFUNCTIONAL LED DISPLAY



Full control over battery status and charging parameters

The charger has a **large and clear LED display**, making it easy to see the process and the most important charging parameters. **You can continuously monitor the status of the battery**, check the voltage and amperage and the currently selected mode, making working with the device easy and intuitive, not only for professionals.

## REPAIR FUNCTION OR ADVANCED REPAIR OF YOUR BATTERY



### Advanced battery recovery mode

Our charger is **ideal for rescuing a battery that has stopped working** as it should, this is usually the result of the battery being completely discharged and left in this state for an extended period. We may then notice that the battery is not accepting the charging current or is heating up significantly. **The repair mode is an approximately 16-hour advanced recovery mode for batteries that have not been used for a long time, for example, or for sulphated batteries with very low voltage.** With this function, the charger can help extend the life of the battery or regenerate it.

## SIMPLE INSTALLATION - ROBUST HOUSING



### Quick and simple connection of the charger to the battery

Connecting the charger to the battery is quick and easy, simply attach the clamps to the battery accordingly. **The red connector is clipped to the positive terminal and the black one to the negative terminal.** Any vehicle owner should be able to cope with this. Once the charger is connected to the power supply and the appropriate mode selected, the charger is ready for charging.

### CONFIDENCE CONFIRMED BY A WARRANTY

### Product with 24 months guarantee

Do you care about the high quality of the product you are buying? Our solutions will meet your expectations. The chargers we offer come with a **24-month guarantee** from the date of purchase.

## TECHNICAL DATA

Producer	Qoltec
Power	220W
Input voltage	220 - 240V
Output voltage	12V / 24V
Type of charging	4 step charging mode
Output current	12A / 7.5A
Battery capacity	4Ah - 105Ah
Battery charging voltage	14.6-14.8V
Charging time	Depending on battery capacity from 1h to 13h
Connector	Red and black alligator clip clamps
Efficiency	>85%
Cooling system	1 x Fan
Display	LCD
Protection	Reverse polarity protection Overvoltage protection Short-circuit protection Overcurrent protection Protection against overheating Low voltage protection
Protection against inverse polarity	Yes
Cable length	~0.57m
Power cord length	~1m
Usage	LiFePO4 AGM GEL WET SLA
Additional information	Battery repair 4-stage charging mode
OTHER PARAMETERS	
Colour	Black
Operating temperature	-30°C ~ +50°C
Dimensions (D/L x W x H)	135 x 172 x 72 mm
Package	Box
Package contents	1 x Charger 1 x Warranty card 1 x User manual
Package depth / length [mm]	155
Package width [mm]	230
Package height [mm]	85
Net weight [kg]	0.808
Gross weight [kg]	0.961
Certificate	CE
Warranty	24 month
EAN code	5901878524917