



Qoltec Solar Charge Controller MPPT with Temperature Sensor 10A | 12V / 24V | LCD | 2 x USB | GEL | LiFePO4

Product code: 53668

Advanced charge controller for photovoltaic systems, ensuring maximum battery charging efficiency.
Ports: 2x USB,
Compatible with: LiFePo4, GEL

SMART SOLAR ENERGY MANAGEMENT



Unlock maximum potential with MPPT technology

The controller uses MPPT technology, which maximizes energy efficiency by enabling optimal utilization of solar power. It continuously monitors and adjusts the voltage and current from the photovoltaic panels to ensure maximum power point tracking. This advanced energy management allows for the highest possible efficiency from solar panels, even under varying weather conditions such as partial shading or changes in sunlight intensity.

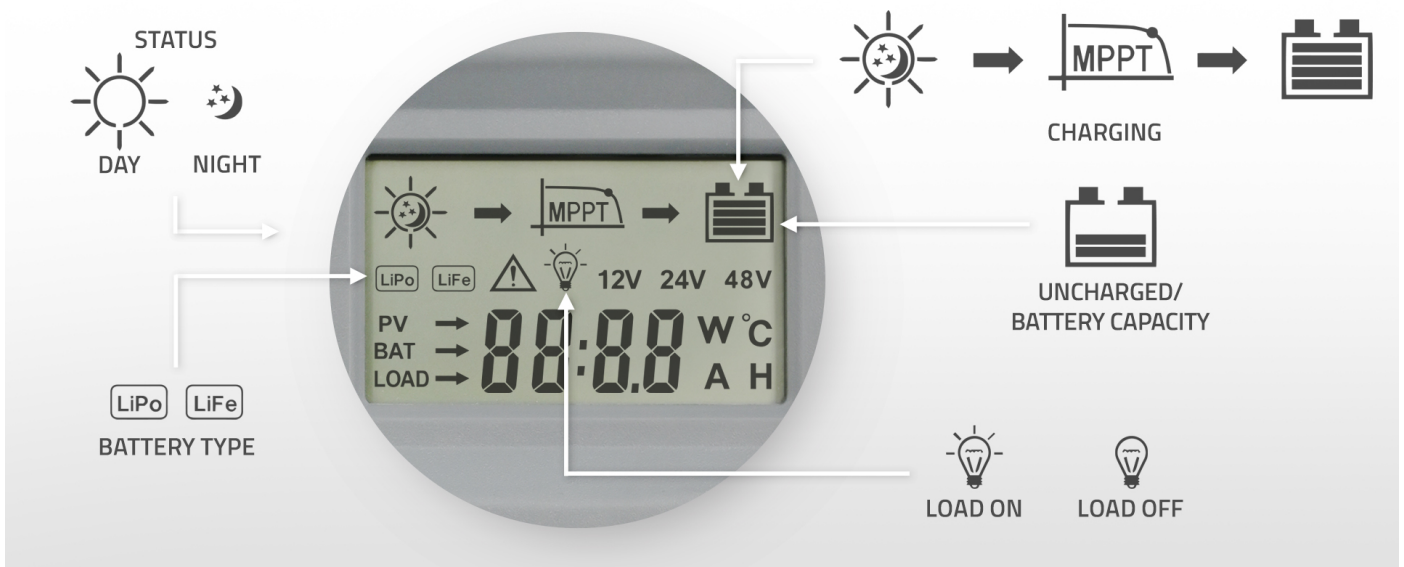
ADJUST THE SYSTEM TO YOUR NEEDS



Compatibility with LiFePO4 batteries

The charge controller is an essential component in photovoltaic systems on boats and RVs. **The solar system provides independence from stationary power sources, allowing the use of energy in places where access to the grid is limited or non-existent** . The controller ensures not only efficient battery charging and **maximum performance of the solar panels** but also **protection against various hazards such as excessive discharge, overload, and reverse connection** . This ensures that solar systems operate reliably, delivering the necessary power both on the water and during road trips.

SMART SYSTEM MANAGEMENT



The built-in LCD display ensures maximum functionality and ease of use. The intuitive interface allows you to navigate settings quickly and easily adjust parameters to suit your needs.

- Easy configuration and operation thanks to a clear menu
- Remote monitoring via a mobile app
- Battery protection against overheating and overcharging thanks to a temperature sensor
- Instant notifications of errors and alarms

OPTIMAL PERFORMANCE THROUGH ADVANCED MONITORING



Intuitive Interface, Complete Control

The product is equipped with an advanced LCD display, providing users with full control and transparency of the system's operation. The intuitive menu makes it easy to configure and adjust settings to meet individual needs. The display shows current operating parameters, allowing real-time monitoring of the system's performance. Users can quickly check the current operational status and receive information about any errors or alarms.

YOUR SAFETY IS OUR PRIORITY – ADVANCED SECURITY TECHNOLOGIES

Complete protection – from overheating safeguards to short-circuit protection

The product is equipped with a number of safety features to ensure safe and reliable use:

- Short-circuit protection:** Automatically disconnects the system when a short circuit is detected, protecting the equipment and installation
- Battery over-discharge protection:** disconnects the load when the voltage drops below a safe level
- Overheating protection:** is equipped with a temperature sensor that monitors the temperature of the unit, when the temperature exceeds the safe level, the controller can reduce the charging capacity or shut down the system completely until it cools down
- overload protection:** automatically disconnects the load when it detects that the current exceeds the safe limits
- Solar panel reverse connection protection:** The regulator is equipped with a polarity detection circuit that checks that the solar panel wires are connected correctly
- Battery reverse connection protection:** The regulator blocks the flow of current, preventing damage to the battery and regulator.

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 regulator we offer is covered by a **24-month warranty** valid from the date of purchase.

TECHNICAL DATA

Producer	Qoltec
Maximum power	130W for PV 12V 260W for PV 24V
Rated voltage	12/24V
Rated current	10A
Maximum PV array open circuit voltage	<60V
MPPT efficiency	95%
Battery type	Compatible with GEL, AGM, LiFePO4, Flooded, Li(NiCoMn)O
Display	LCD
Safety	Short-circuit protection Overheating protection Overload protection Overcharge protection
Usage	Home photovoltaic systems Portable solar kits Solar systems in RVs and caravans Solar installations on boats and yachts Any location requiring efficient and reliable battery charging management
Additional information	Equipped with Maximum Power Point Tracking (MPPT) technology USB : 5V/2A
IP rating	IP30
Operating temperature	-20°C ~ +55°C
Storage temperature	-30°C do +80°C
OTHER PARAMETERS	
Colour	Grey, Green
Material	ABS, metal
Dimensions (D/L x W x H)	180 x 125 x 50 mm
Package	Box
Package contents	1 x MPPT Controller 1 x User Manual 1 x Warranty card
Package depth / length [mm]	185
Package width [mm]	130
Package height [mm]	55
Net weight [kg]	0.555
Gross weight [kg]	0.629
Certificate	CE
Warranty	24 month
EAN code	5901878536682