


# Qoltec Solar charge controller MPPT 15A for powering DC consumers and charging batteries 12V / 24V | AGM

**Product code: 53666**

The 15A Solar Regulator with Maximum Power Point Tracking (MPPT) technology is a powerful device, it controls the battery charging process from photovoltaic panels and allows you to power DC loads directly from photovoltaic panels. Thanks to MPPT technology, you will get maximum power from your PV installation and the built-in USB port allows you to quickly charge your phone or tablet.
- Automatic recognition of operating voltage - 12V or 24V
- Possibility to charge the battery and power DC devices simultaneously
- Protection against overcharging, short-circuiting, reverse polarity and overloading

## 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



Full solar power at your fingertips

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. With full compatibility with lithium-iron-phosphate technology, it guarantees precise and safe charging, maximizing battery life.

## MAXIMUM EFFICIENCY, FULL CONTROL AND SAFETY OF YOUR PHOTOVOLTAIC INSTALLATION



Compatible with AGM batteries
Forget about complicated operation - the controller recognises the installation itself and adapts to your needs. Charges the battery, powers lights, fans or the tourist fridge, plus has a USB port to charge your phone.
- **Automatic recognition of operating voltage - 12V or 24V**
- **High efficiency 99%** and optimal power matching from PV panels
- **Possibility to charge the battery and power DC devices simultaneously**
- **Built-in USB port**
- **Supports AGM batteries**

## 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 :
- **Automatically disconnects the system if a short circuit is detected, protecting the equipment and the installation**
- **Battery over-discharge protection** : disconnects the load when the voltage falls below a safe level
- **Automatically disconnects the load when it detects that the current exceeds safe limits**
- **Equipped with a polarity detection circuit**, which checks that the solar panel cables are correctly connected
- **Protection against reverse battery connection** 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 | 195W for PV 12V \| 390W for PV 24V |
| Rated voltage | 12/24V |
| Rated current | 15A |
| Maximum voltage | (PV) 50V |
| Maximum PV array open circuit voltage | 100V |
| MPPT efficiency | 99% |
| Battery type | Compatibile with AGM |
| Safety | Short-circuit protection<br>Overheating protection<br>Overload protection<br>Overcharge protection |
| Usage | Home photovoltaic systems<br>Portable solar kits<br>Solar systems in RVs and caravans<br>Solar installations on boats and yachts<br>Any location requiring efficient and reliable battery charging management |
| Additional information | USB output (5 V / 1 A)<br>12 AWG / 4 mm connectors<br>Does not charge LiFePO4 batteries<br>No built-in temperature sensor |
| IP rating | IP30 |
| Operating temperature | -35°C ~ +55°C |
| Storage temperature | -30°C do +80°C |
| OTHER PARAMETERS | |
| Colour | Niebieski |
| Material | ABS, metal |
| Dimensions (D/L x W x H) | 130 x 100 x 33mm |
| Package | Box |
| Package contents | 1 x MPPT Controller<br>1 x User Manual<br>1 x Warranty card |
| Package depth / length [mm] | 110 |
| Package width [mm] | 148 |
| Package height [mm] | 43 |
| Net weight [kg] | 0.287 |
| Gross weight [kg] | 0.326 |
| Certificate | CE |
| Warranty | 24 month |
| EAN code | 5901878536668 |