



## Qoltec Smart Monolith charger for LiFePO4 AGM GEL SLA batteries | 90A | 12V | Fast charging

Product code: 51919

Advanced 90A smart charger to handle a variety of 12V battery types, including AGM, GEL, SLA and LiFePO4. With the DIP switch, you can easily adapt it to your specific battery type. A three-stage charging process and active cooling ensure optimal operating conditions and extend battery life. Advanced safety features guarantee safe use.

### STABLE AND SAFE ENERGY SOURCE FOR ALL LIFEPO4, AGM, GEL AND SLA BATTERIES



### Precise Charging with 7 configurations to adapt to different battery types

The Monolith charger is guaranteed to be a perfect match for your battery. With 7 advanced configurations, it effortlessly supports LiFePO4, AGM, GEL, calcium and SLA batteries to ensure maximum performance, safety and long life.

Regardless of the type of battery, the charger provides stable, intelligent energy, taking care of its optimal condition throughout its lifetime.

## DISCOVER THE UNIQUE POWER OF SMART CHARGING WITH THE MONOLITH CHARGER

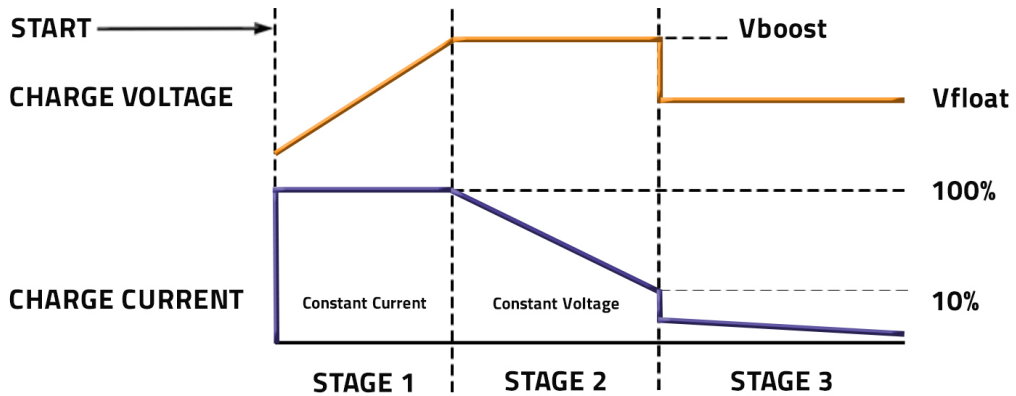


### Optimal performance with intelligent 3-step charging process!

The Monolith smart charger is an advanced device that will fully take care of your battery using an intelligent 3-stage charging process, adjusting the voltage and current according to the current state of the battery to ensure maximum battery life and performance. **BULK** – Full recognition of the battery's needs and fast charging up to 80% of its capacity, while maintaining high voltage and maximum charging current. **BOOST** – Absorption charging: stable voltage in the range of 14.1VDC - 14.8VDC, while the charging current is gradually reduced to protect the battery. **FLOAT** – A gentle backup that allows the battery to reach full capacity, gradually lowering the voltage to 13.0VDC - 13.8VDC, and the charging current naturally drops to 0A when fully charged.

Thanks to the LED indicator, you will always be up to date with the current stage of charging, and your battery will last longer and more efficiently!

### INTELLIGENT 3-STAGE CHARGING



### Perfect maintenance of your battery at every stage of charging

Intelligent 3-stage charging has many advantages, above all it can:

- Ensure that the battery is fully and evenly charged, improving performance and battery life,
- Prevent overheating, overcharging or damaging the battery, which improves battery safety and reliability,
- Save energy and costs, as it reduces the loss of energy and time required to charge the battery.

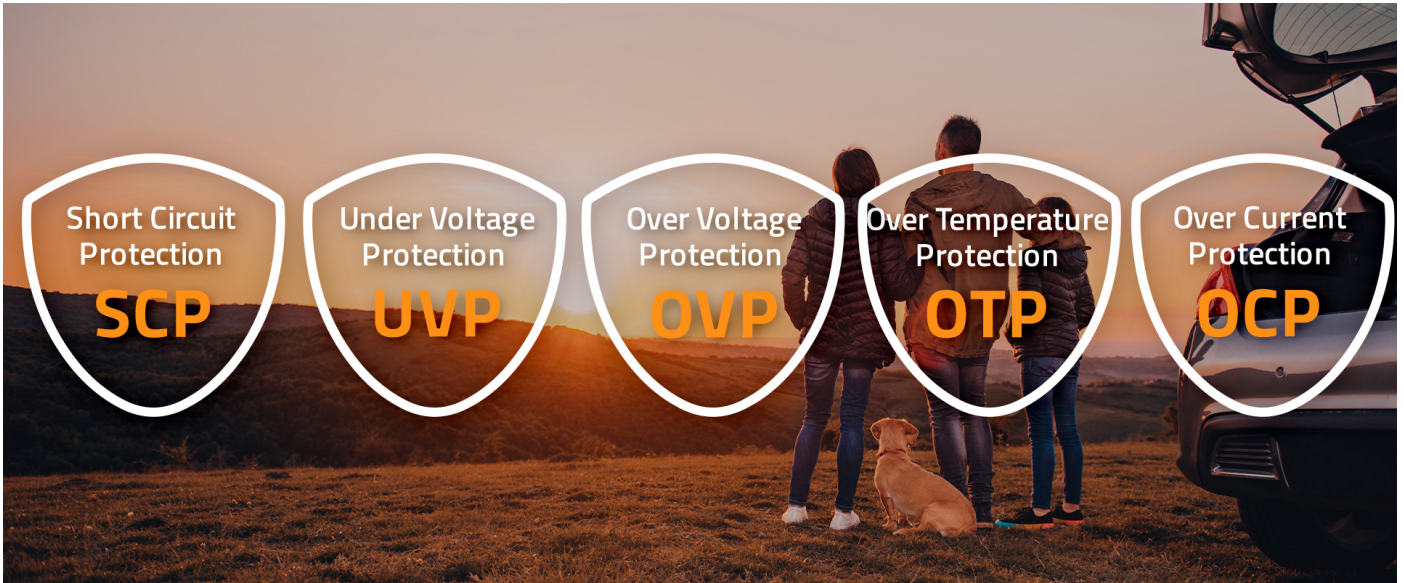
### TRUST OUR CHARGERS - ENJOY UNINTERRUPTED ENERGY



### 7 different SW combinations, Automatic switch-off, Durable aluminium housing, Active cooling, Fuse included

- Equipped with DIP-switch - this is the charger's component for changing the battery charging settings - it allows 7 different SW combinations to be set, we can adjust the charging mode according to the battery type you have, e.g. charging SLA / gel / AGM / flooded / calcium and LiFePO4 lead-acid batteries, as well as the constant voltage power supply mode,
- 3-stage charging mode - provides much faster, efficient and full charging without the problem of voltage drops,
- Durable aluminium housing - perfectly conductive and corrosion-resistant,
- Built-in active cooling - automatically switches on when charging and protects the charger especially when charging heavily discharged batteries,
- LED indication of charger operation,
- Built-in fuse,
- Features short-circuit, reverse polarity, overcharging and overheating protection,
- Automatic shutdown at the end of the charging process - switches off charging mode and remains in sleep mode when the battery is charged,
- Necessary wiring included and two fuses.

## ADVANCED 90A SMART CHARGER - VERSATILITY AND SAFETY IN ONE DEVICE



### Use of advanced security features

In designing the chargers, we focused primarily on **safety and reliability**. You can safely and quickly recharge your battery right now. The product has advanced safety features including protection **against reverse polarity, overvoltage or overheating** While meeting international safety standards. For complete protection, the charger's inputs and outputs have been completely isolated. **Advanced security features: UVP protection** - Protection against under-voltage, **SCP protection** - is a short circuit protection, **OVP protection** - is the protection against too high output voltage, **OCP protection** - is the protection against too high current on the line, **OTP security** - is protection against overheating.

**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 meet your expectations. Each of the AC-DC chargers we offer is covered by the **24 month guarantee** valid from the date of purchase.

## TECHNICAL DATA

Producer	Qoltec
Type of charging	3 step charging mode
Input voltage	180 - 260V
Output voltage	12-15V
Output current	90A
Load Adjustment	1.5% for output current; from no load to full load 0-40°C
Connector	Red + black crocodile-type terminals with brass contacts
Efficiency	88%
Cooling system	2 x Fan with thermal control
Protection	Short-circuit protection Protection against overheating Overcurrent protection Protection against low voltage Overvoltage protection Reverse polarity protection
Protection against inverse polarity	Yes
Usage	LiFePO4 AGM GEL SLA Calcium EFB
Cable length	~0.90 m
Operating temperature	0°C ~ +40°C
Additional information	The device has been CE tested and confirms compliance with applicable directives and standards.
Notices	Charger designed for 12 V batteries only Make sure that the cables are properly matched to the batteries Before removing the battery, first switch off all consumers and then disconnect it from the circuit Only use rechargeable batteries Never attempt to charge a frozen or damaged battery !
Dimensions (D/L x W x H)	220 x 340 x 80 mm
Package	Box
Package contents	1 x Battery charger 1 x Power cable 1 x Starter cable set 1 x Operating instructions
Package depth / length [mm]	285
Package width [mm]	410
Package height [mm]	165
Net weight [kg]	5.300
Gross weight [kg]	5.600
Certificate	CE
Warranty	24 month
EAN code	5901878519197