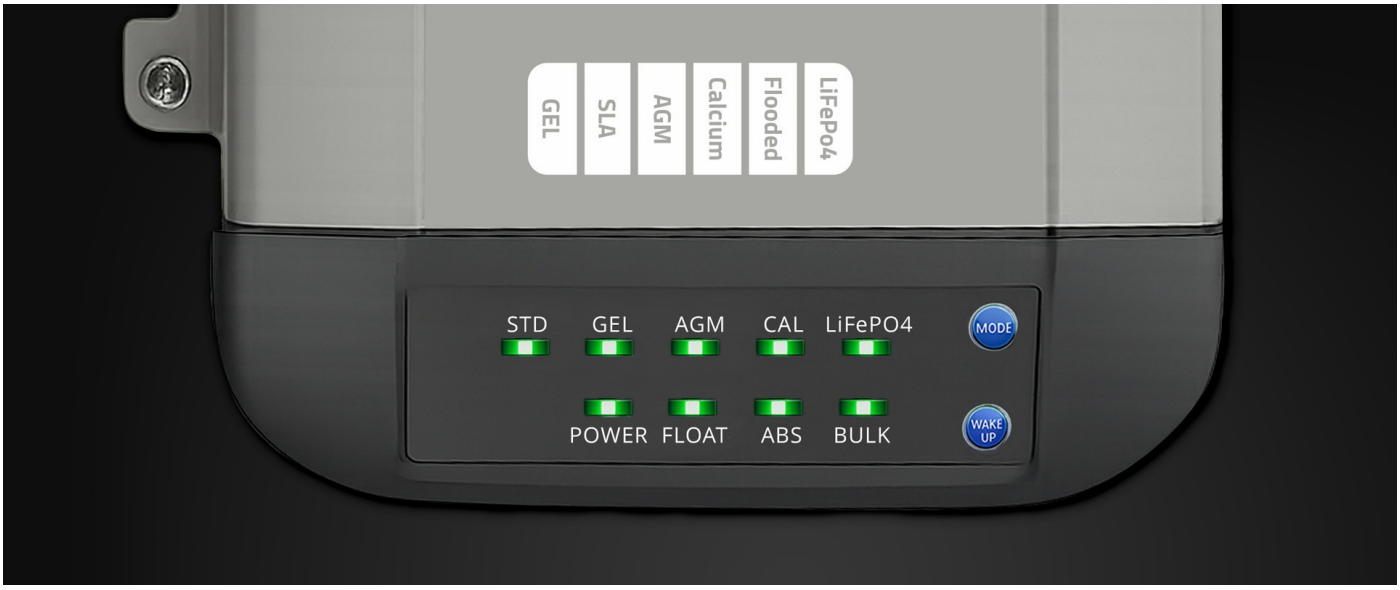


Qoltec Smart Monolith charger for LiFePO4 AGM GEL SLA batteries | 20A | 24V

Product code: 51953

Advanced 20A smart charger with DIP switch for a variety of 24V battery types, including AGM, GEL, SLA and LiFePO4. Three charging stages and active cooling ensure optimal operating conditions and extend battery life. Advanced safety features guarantee safe use. Two fuses included.

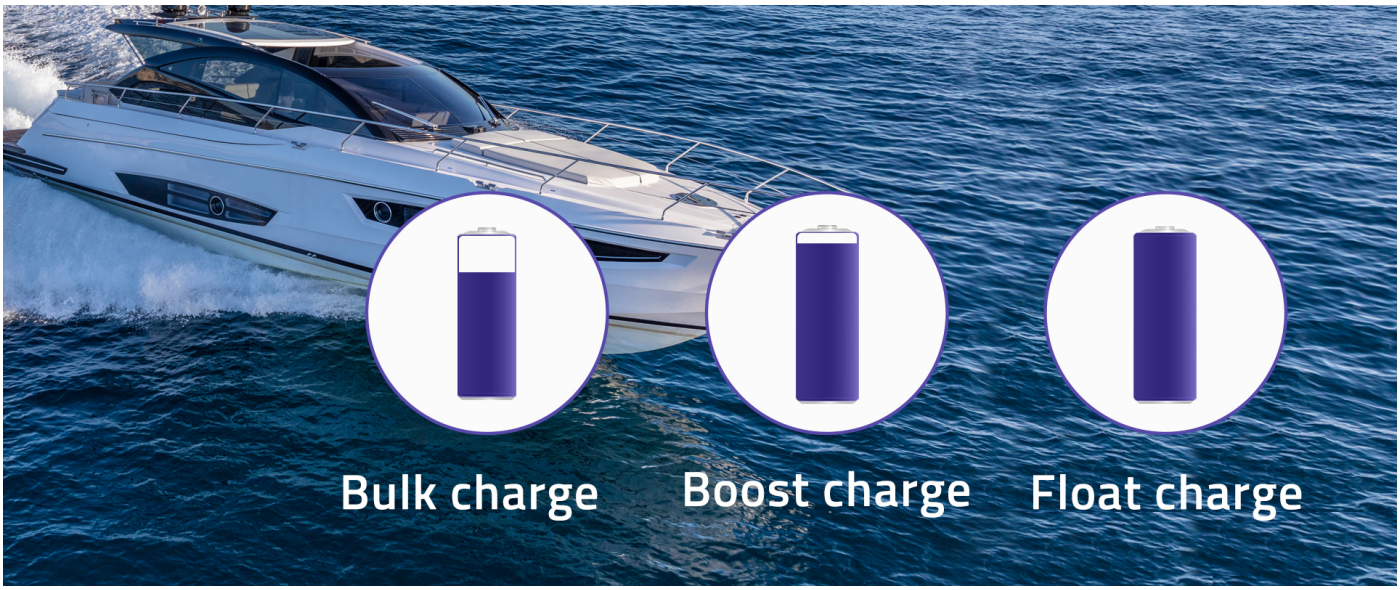
STABLE AND SAFE ENERGY SOURCE FOR ALL LIFEPO4, AGM, GEL AND SLA BATTERIES



Precise Charging with configurations to adapt to different battery types

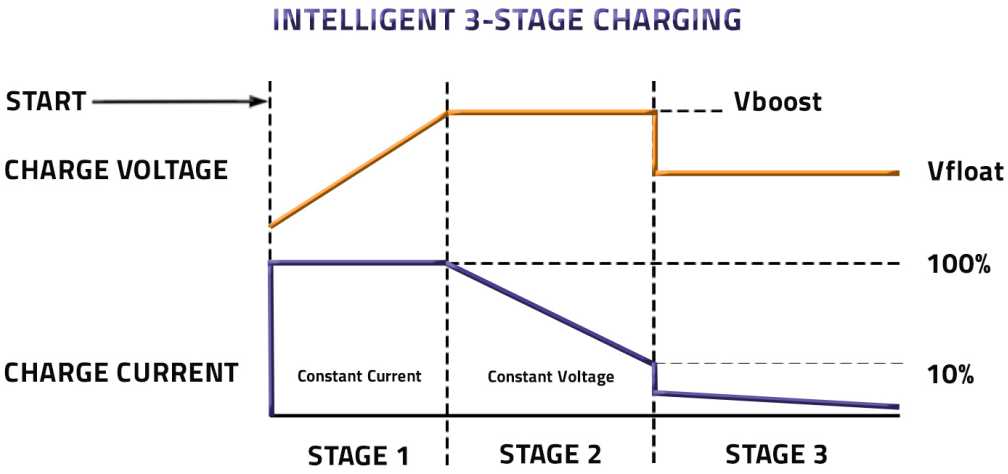
The Monolith charger is **designed to work seamlessly with a wide range of different types of batteries** , including AGM, GEL, calcium, SLA and LiFePO4, providing them with a stable and safe energy source and a guarantee that the battery will remain in good condition throughout its lifetime.

DISCOVER THE UNIQUE POWER OF SMART CHARGING WITH THE MONOLITH CHARGER



Integrated in the intelligent 3-stage charging process for optimum performance of your battery
The Monolith smart charger will charge your battery using intelligent 3-stage charging which involves adjusting the charging voltage and current to the current state of charge of the battery, it consists of 3 stages :
The BULK stage is the identification of the battery and its needs, charging up to 80% of the battery capacity, with a maximum current kept constant and a high voltage, **The BOOST** The BOOST stage is the so-called absorption charging, it keeps the charging voltage constant between 28.4VDC and 30VDC, reducing the charging current, **The FLOAT** stage is the last charging cycle, a so-called sustained charge in which the battery has already reached 95% of its capacity and gradually reaches 100%, there is a reduction in the charging voltage to a constant value between 26.6VDC and 27.6VDC, the charging current automatically drops to 0A once the battery is charged.
The current charging stage of the battery is indicated by an LED on the charger.

OPTIMAL PERFORMANCE, LONG BATTERY LIFE AND MINIMISATION OF COSTS AND ENERGY LOSSES



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 recuces the **loss of energy and time required** to charge the battery.

TRUST OUR CHARGERS - ENJOY UNINTERRUPTED ENERGY

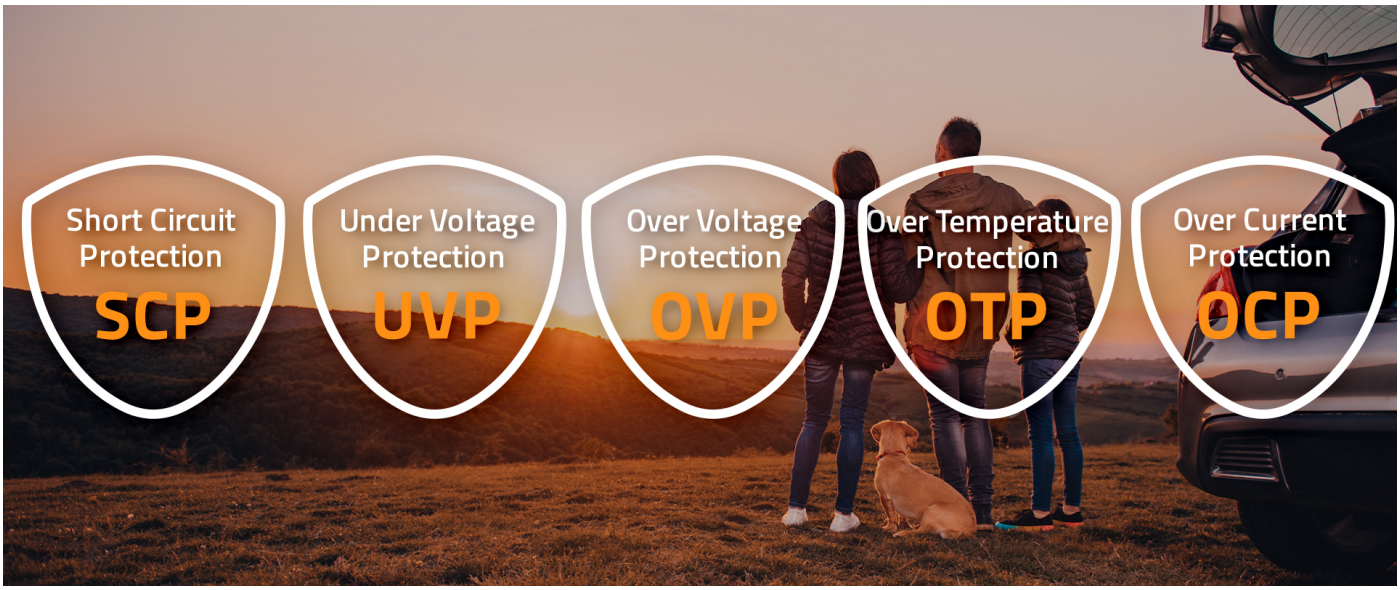




Automatic switch-off, Durable housing, Active cooling

- **3-stage charging mode -** provides much faster, efficient and full charging without the problem of voltage drops,
- **Durable housing -** perfectly conductive and corrosion-resistant,
- **Last setting memory –** the charger remembers the selected battery type and operating mode,
- **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.

SAFETY IS OUR PRIORITY



Use of advanced security features

When designing the chargers, we placed safety above all else, which is why the product is equipped with comprehensive safety features, **including protection against reverse polarity, overvoltage or overheating** . For safety reasons, the input and output of the charger have been completely isolated. **UVP protection –** protects against under-voltage at the output, **SCP protection –** it protects against short circuits, **OVP protection –** it protects against too high output voltage, **OCP protection –** it protects against too high current on the line, **OTP protection –** 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
Input voltage	180 - 260V
Output voltage	24V
Type of charging	3 step charging mode
Output current	Max 20A
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	1 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
Cable length	~0.90 m
Usage	LiFePO4 AGM GEL SLA Calcium EFB
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 !
OTHER PARAMETERS	
Colour	Green, black
Material	Plastic, metal
Operating temperature	0°C ~ +40°C
Dimensions (D/L x W x H)	150 x 285 x 75 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]	225
Package width [mm]	350
Package height [mm]	155
Net weight [kg]	1.960
Gross weight [kg]	2.500
Certificate	CE
Warranty	24 month
EAN code	5901878519531