



## VOLTAGE GUARD

VLTG-70

The best solution to protect your battery against :

Deep discharge

Overtoltage

Overload



### PRESENTATION

The voltage guard protects your battery in order to increase its duration life.

It provides a constant low voltage, overvoltage and overload protection.

When you battery reaches the pre-set low voltage the voltage guard will disconnect automatically the DC consumers.

DC consumers will be switched on again automatically when battery voltage increases and when defined threshold is reached.

The system will operate the same way for over-voltage.

Low voltage threshold can be selected from external DIP switches.

The over-voltage value is fixed.

The system can be used as manual main switch. The output is turned off when the switch is closed.

In this mode the voltage guard will only operate as battery low voltage protector.

The voltage guard has an integrated buzzer and LED to monitor its operating state.

It is compliant with all Lead battery types : wet, sealed, gel, AGM, Calcium, etc.

Part number : VLTG-70

### TECHNICAL CHARACTERISTICS

- Rated current (constant) : 70 A
- Max current (10s @ 20°C) : 140 A
- Voltage : 12 and 24 VDC
- Input voltage range : 8 - 31 VDC
- Consumption : > 2mA (LED off)
- Presentation : plastic housing with external fixings - IP51
- Connection : on threaded rods
- Dimensions (l x h x d) : 100 mm x 89.2 mm x 43 mm
- Weight : 0.21 kg
- Operating temperature : from -10°C to +60°C
- Storage temperature : from -20°C to +85°C
- 12V low voltage adjustment : 9 - 12 VDC
- 12V overvoltage threshold : 15.5 VDC
- 24V low voltage adjustment : 18 - 24 VDC
- 24V overvoltage threshold : 31 VDC

### INSTALLATION

