

BatteryProtect 48V-100A

With 7-segment LED display: easy to set up

The BatteryProtect disconnects the battery from non-essential loads before it is completely discharged (which would damage the battery) or before it has insufficient power left to crank the engine.

Programming made easy

The BatteryProtect can be set to engage / disengage at several different voltages.

The seven segment display will indicate which setting has been chosen.

A special setting for Li-ion batteries

In this mode the Battery Protect can be controlled by the VE.Bus BMS.

Ultra-low current consumption

This is important in case of Li-ion batteries, especially after low voltage shutdown.

Please see our Li-ion battery datasheet and the VE.Bus BMS manual for more information.

Over voltage protection

To prevent damage to sensitive loads due to over voltage, the load is disconnected whenever the DC voltage exceeds 64 V.

Ignition proof

No relays but MOSFET switches, and therefore no sparks.

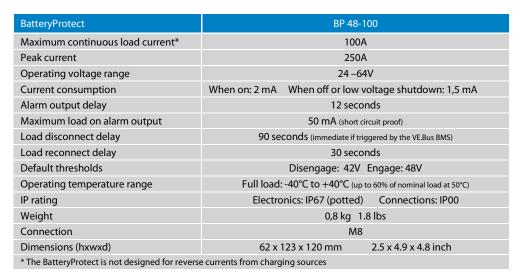
Delayed alarm output

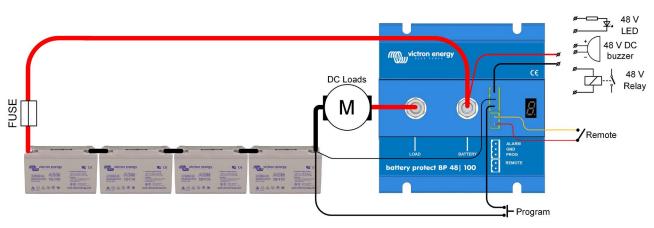
The alarm output is activated if the battery voltage drops below the preset disconnect level during more than 12 seconds. Starting the engine will therefore not activate the alarm. The alarm output is a short circuit proof open collector output to the negative (minus) rail, max. current 50 mA. The alarm output is typically used to activate a buzzer, LED or relay.

Delayed load disconnect and delayed reconnect

The load will be disconnected 90 seconds after the alarm has been activated. If the battery voltage increases again to the connect threshold within this time period (after the engine has been started for example), the load will not be disconnected.

The load will be reconnected 30 seconds after the battery voltage has increased to more than the preset reconnect voltage.









BatteryProtect BP 48-100



Connector with preassembled DC minus cable (included)



BatteryProtect 65A/100A/220A

With 7-segment LED display: easy to set up

The BatteryProtect disconnects the battery from non essential loads before it is completely discharged (which would damage the battery) or before it has insufficient power left to crank the engine.

12/24V auto ranging

The BatteryProtect automatically detects system voltage

Programming made easy

The BatteryProtect can be set to engage / disengage at several different voltages.

The seven segment display will indicate which setting has been chosen.

A special setting for Li-ion batteries

In this mode the BatteryProtect can be controlled by the VE.Bus BMS.

Note: the BatteryProtect can also be used as a charge interrupter in between a battery charger and a Li-ion battery. See connection diagram in the manual.

Ultra low current consumption

This is important in case of Li-ion batteries, especially after low voltage shutdown.

Please see our Li-ion battery datasheet and the VE.Bus BMS manual for more information.

Over voltage protection

To prevent damage to sensitive loads due to over voltage, the load is disconnected whenever the DC voltage exceeds 16V respectively 32V.

Ignition proof

No relays but MOSFET switches, and therefore no sparks.

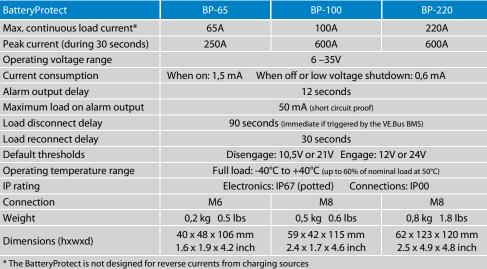
Delayed alarm output

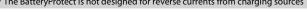
The alarm output is activated if the battery voltage drops below the preset disconnect level during more than 12 seconds. Starting the engine will therefore not activate the alarm. The alarm output is a short circuit proof open collector output to the negative (minus) rail, max. current 50 mA. The alarm output is typically used to activate a buzzer, LED or relay.

Delayed load disconnect and delayed reconnect

The load will be disconnected 90 seconds after the alarm has been activated. If the battery voltage increases again to the connect threshold within this time period (after the engine has been started for example), the load will not be disconnected.

The load will be reconnected 30 seconds after the battery voltage has increased to more than the preset reconnect voltage.







BatteryProtect BP-65



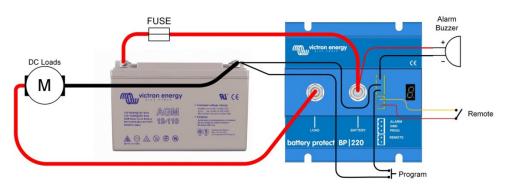
BatteryProtect BP-100



BatteryProtect BP-220



Connector with preassembled DC minus cable (included)







Oceanvolt teams up with Victron Energy

Press release Almere, 21 November 2013

The Finnish electric propulsion specialist Oceanvolt enters to a two-way relationship with Victron Energy.

The two companies will integrate their products to work as a unified system, which will form the base of Oceanvolts SEA® (Silent Electric Autonomy) concept. Oceanvolt SEA® system enables among other things running your A/C and other appliances without using your generator by converting the electricity from the propulsion system battery into 220VAC.

Oceanvolt will offer it's customers systems which use Victron Energy's charger/inverters, solar charger controllers and other electric components together with it's propulsion system. Oceanvolts electric propulsion systems have already been installed in over 50 customer boats.

Both parties of the agreement seem pleased. "Victron Energy's products perfectly compliments our propulsion system and together they offer our customers the comforts of home while at sea," says CEO of Oceanvolt, Timo Jaakkola.

"The Oceanvolt system impressed us. It is a mature and finished system. With this partnership our customers can offer an electric propulsion system which works as a part of a boats existing electrical network", says Victron Energy's Managing Director, Matthijs Vader.

