

## BatteryProtect 48V-100A by Victron Energy



Price: CAD \$209.00

**SKU:** VEBATTERYPROTECT-48V100A

**Product Categories:** [Disconnects](#), [Shop](#), [Wiring & BOS](#)

**Product Tags:** [100A](#), [48v](#), [48v-100a](#), [battery protection](#), [batteryprotect canada](#), [canada](#), [victron batteryprotect](#), [victron batteryprotect 48v-100a](#)

**Product Page:**

<https://www.modernoutpost.com/product/batteryprotect-48v-100a-by-victron-energy/>

### Product Summary

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### Product Description

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## BatteryProtect 48V-100A Features

### **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 Specifications

**BatteryProtect Model : BP 48-100 Maximum continuous load current : 100A**

**Peak current : 250A**

**Operating voltage range : 24 -64V**

**Current consumption** : When on: 2 mA When off or low voltage shutdown : 1,5 mA

**Alarm output delay** : 12 seconds

**Maximum load on alarm output** : 50 mA (short circuit proof)

**Load disconnect delay** : 90 seconds (immediate if triggered by the VE.Bus BMS)

**Load reconnect delay** : 30 seconds

**Default thresholds** : Disengage: 42V Engage: 48V

**Operating temperature range** : Full load: -40°C to +40°C (up to 60% of nominal load at 50°C)

**Weight** : 0.8 kg / 1.8 lbs

**Dimensions** : (hxwxd) 62 x 123 x 120 mm / 2.5 x 4.9 x 4.8 inch

[Download the full product data sheet here](#)]

## Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: .9 kg