



BatteryProtect

Disconnect your loads before the battery is flat!
Disconnect your loads before the battery won't start the engine any more!

The Victron Energy *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.

Fully programmable with jumpers

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

Over voltage protection

To prevent damage to your sensitive loads due to over voltage, the load is disconnected whenever the DC voltage exceeds 16 V respectively 32 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 15 seconds. Starting the engine will therefore not activate the alarm. The alarm output is an open collector output to the negative (minus) rail, max. current 500 mA. The alarm is typically used to activate a buzzer and / or lamp.

Delayed load disconnect

Only 1 minute after the alarm has been activated will the load be disconnected. If battery voltage increases to the connect threshold within this minute (after the engine has been started for example) the load will not be disconnected.

Two models: 40 A or 60 A continuous load carrying capacity

The MOSFET switch is capable of carrying either 25 A or 60 A continuous load, and up to 60 A resp. 80 A transient load.



BatteryProtect	BP-40i	BP-60	Jumper selectable voltages	
	40 A	60 A	Disengage (V)	Engage (V)
Maximum continuous load current	40 A	60 A	10	11,5
Operating voltage range	6 –35 V		10,5	12
Current consumption	<7 mA		11	13
Alarm output delay	15 seconds		11,5	13,8
Load disconnect delay	1 minute		21,5	24,5
Casework	Anodised aluminium, black		22	25
Weight kg (lbs)	0,2 (0.5)	0,2 (0.5)	22,5	25,5
Dimensions hxxwxd in mm (hxxwxd in inches)	80 x 60 x 40 (3.2 x 2.4 x 1.6)	80 x 60 x 40 (3.2 x 2.4 x 1.6)	23	26,5

