

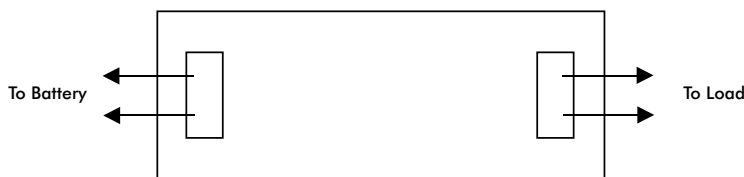
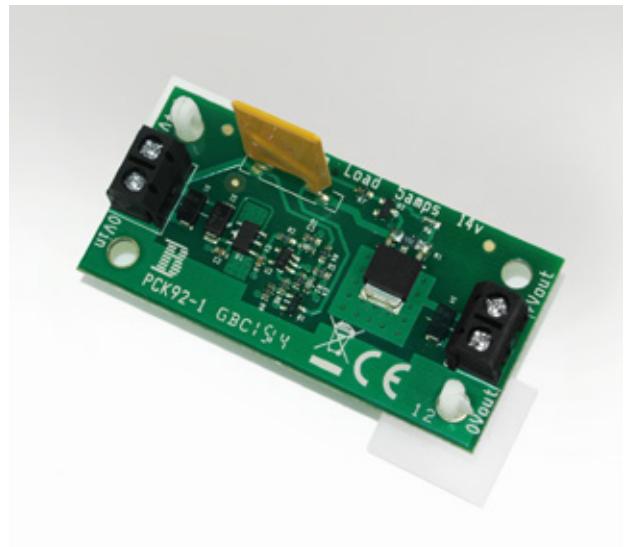
AT-382 BATTERY SAVER MODULE

When batteries are subject to deep discharge they can be damaged in such a way that they never fully regain their charge capacity. The more often the battery is deeply discharged the worse the storage capacity of the cell becomes. The battery saver module is designed to prevent excessive discharge and thus prolong the useful life of the battery.

If the terminal voltage is measured on a battery that is deeply discharged and is still connected to a load, the voltage could be for example 9V. As soon as the load is removed this voltage will shoot up to say 10 or 11V, and will drop as soon as the load is reconnected. The reason for this is that there is little or no capacity in the battery.

The battery saver module is designed to switch off the battery input when the supply voltage drops to approximately 10.7V and will remain off until that voltage rises above approximately 12.3V. – preventing deep discharge and protecting battery life.

Connect battery to the input terminals and the load to the output terminals, observing the polarity.



SPECIFICATION:

Operating voltage: 12 to 15V DC

Max operating current: 5A

Temperature range: -25 to +50°C

Size: 60mm x 30mm