



LiT® Advanced Battery Protection System

Every LiT® battery has a fully automatic built in Battery Protection System (BPS). This protection system is designed to protect the internal battery cells. It will turn off the battery if it's drained below 10.5V or charged above 15.8V. Other features include short circuit protection, cell balancing, and reverse polarity protection.

The Battery Protection System (BPS) will protect the battery from almost any external accidental occurrence that would normally cause damage to a lithium battery. The internal BPS will automatically disconnect if the battery drains below 10.5 volts and will automatically reconnect when the charger is turned on. This protects the battery from **over-discharging** and damaging the cells. This patented technology also protects the battery from **Over-charge, Short Circuit and Reverse Polarity**.

The LiT® BPS is marine grade for maximum strength and reliability. Designed to handle Heavy Duty High Amp Loads the BPS allows customers to use 100% of the rated capacity while maintaining maximum performance and life expectancy of the battery.

Internal Features:

- **Low Voltage Protection Switch** - Automatically disconnects at 10.5V.
- **Over Voltage Protection Switch** - Automatically disconnects at 15.8V.
- **Short Circuit Protection Switch** - Automatically disconnects should a short occur.
- **Reverse Polarity Protection Switch** - Automatically disconnects should the polarity be accidentally reversed.
- **Internal Cell Balancing** - Automatically balances cells.
- **Charge Balancing** - Independent balancing for multiple batteries connected in parallel or in series.

This Battery Protection System is designed to last throughout the life of the battery and provide reliable power for thousands of cycles.

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