

BM PRO DEFINITIONS | LOW VOLTAGE DISCONNECT

WHAT IS A LOW VOLTAGE DISCONNECT?

Low voltage disconnect (LVD) is a type of circuit which will automatically disconnect if the battery's voltage falls too low. This usually occurs once the battery has discharged to approximately 80 per cent for the majority of deep cycle batteries.

Imagine a kettle. The kettle will operate superbly if there is enough water to boil. If the amount of water is less than the minimum volume required, the metal and heating element inside the kettle will begin to burn, often causing permanent damage. If you reduce the volume of water more (so there is now less or no water inside the kettle), you could seriously damage the kettle beyond repair.

Batteries work in a much similar way: the batteries being the kettle and discharging being the water. If a lead acid battery deeply discharges (more than 80 per cent), the battery's longevity and life can be damaged. Preventing a battery from discharging deeply is essential to maintaining good battery health, which is why Team BM PRO highly recommends a power supply with a built in LED.

DEFINITIONS

VOLTAGE: measures in volts (V), voltage is the electrical current measured by the difference in charge between two points.

LEAD ACID BATTERY: the oldest type of rechargeable battery and one of the most commonly used.

DEEP CYCLE BATTERY: a type of lead-acid battery which is specifically designed to be regularly discharged and used in the majority of all RV set ups. Also known and sometimes referred to as an auxiliary or house battery.

SO HOW DO I SET-UP LVD?

Installing a low voltage disconnect through your set-up can be difficult without experience. Luckily, a range Team BM PRO's caravan and camping products are sold with inbuilt LVD features.

ILLUSTRATION OF LVD AT WORK

