EV WORKS PTY LTD

The Start Saver is a revolutionary device which will protect any healthy 12v battery from over discharge

The Start Saver is a must have for people who

- Travel in remote areas where a flat battery could leave you stranded.
- Have a vehicle or piece of equipment they don't use regularly and is frequently needing a jump start
- Rely on their vehicle to get to work or the kids to school on time.
- Own a boat and want to avoid being stranded at sea.
- Go camping or 4wding and run fridges or lights from their battery

Over discharge for lead acid batteries is generally between 50 and 60% of capacity but varies for different battery types. For example a 105Ah lead acid battery will deteriorate quite quickly if more than 65Ah is drawn from it regularly. The usable capacity will depend upon the quality and design of the battery. Deep cycle batteries are more tolerant to deep discharge but still suffer loss of cycle life. Calcium, flooded, AGM, VRLA are all lead acid batteries.

The Lead Acid Start Saver will cut out at 40% of remaining capacity thus enabling confident starting of a vehicle or boat's engine as well as extending the life of the battery considerably.

Over discharge of a **Lithium** battery occurs after 90% of the battery's capacity has been used. Reliable starting is easily achieved with 10% capacity remaining.

The LITHIUM START SAVER allows reliable starting and protects the battery from over discharge.

Instructions

Disconnect the negative battery lead and connect it to the load negative on the Start Saver.
Connect the battery negative lug on the Start Saver to the negative post of the battery.
Connect the Red lead to the positive battery terminal.
Push the reset button. The blue LED will light up. Installation now complete.
When the battery reaches its discharge minimum the blue LED will go out.
Disconnect the load which caused the battery to go flat . This might be a fridge or parking/ camping lights.
Push RESET to start your vehicle's engine.
The device will allow normal charging of the battery when the engine is running.

To prevents the battery from going flat when the vehicle is not used for extended periods Disconnect the battery from all loads by pulling the bullet connection (red lead) apart.

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www.evworks.com.au sales@evworks.com.au