

# Electrics

Standard inclusions on the *Rover LX*, *Explorer* and *Ultra* are:

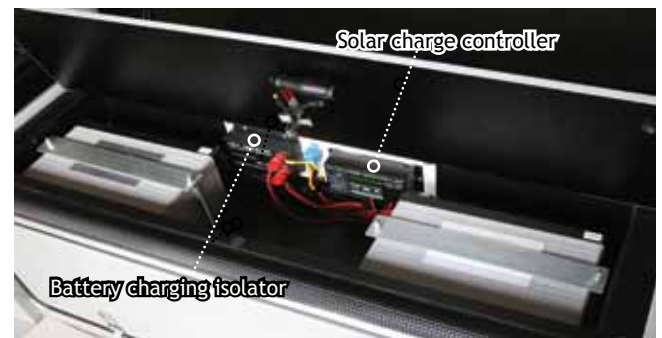
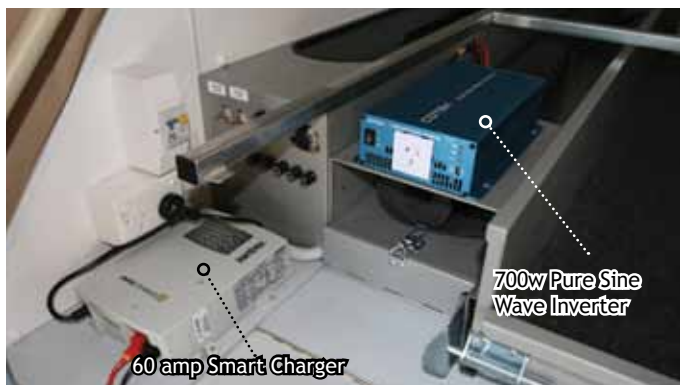
- Voltmeter and solar regulator to monitor batteries and operate optional solar panel
- 2 x 240 volt power points and safety switch inside the camper
- 2 x 12 volt sockets wired to the trailer's battery inside the camper
- 1 x 240 volt power outlet on the exterior of the camper
- 2 x 12 volt sockets on the exterior
- 2 halogen reading lights with master switch and over head LED strip light
- 60 amp *Xantrex Truecharge 2* smart battery charger

The **Rover LX** standard battery pack includes:

- 1 x sealed AGM 105 amp hour deep cycle battery
- *Xantrex 60 amp 240 volt* automatic battery charger
- Automatic battery charging isolator
- Charging wire for camper and tow vehicle (tow vehicle installation not included)
- PV (Solar) Charge Controller with Battery Voltage Indicator

The **Explorer** and **Ultra** battery pack is the same plus:

- A second sealed AGM 105 amp hour deep cycle battery
- A 700 watt pure sine wave inverter is standard in the *Ultra* model. The inverter allows 240 volt appliances such as laptop computers, media players, TV and mobile phone battery chargers to be operated via the trailer battery pack. (We do not install modified sine wave inverters which cost a lot less but are not recommended for many appliances).



▲ *Explorer & Ultra* - 2 x 105 amp hour deep cycle AGM batteries in easily accessible under floor bin (The *Rover LX* has the same set up with one less battery)

The 130 watt solar panel (standard on the *Ultra*) can charge the battery pack when 240 volt power is unavailable. A solar regulator ensures the batteries are not overcharged.

The panel is stored on the fridge box and charges in its mounted position, but when camped is better put out in the sun (most people camp in any available shade) using a five metre extension cord and security cable. The panel stands up using two twist lock anodized aluminium tent pole legs and can charge up to 10 amps an hour in ideal conditions. On a clear winter's day a more realistic charge rate would be 7 amps an hour. Running the 80 litre fridge, lights and water pump can use roughly 60 amps a day (this figure varies widely depending on usage and conditions), so a panel facing the sun for 7 hours a day almost has this covered.

