



The Solarland Portable Series is designed to charge 12V Lead-Acid, GEL and AGM style batteries.



#### Kit Contents:

80W&120W Model: 2 x 40W/60W Solar Panels (Hinged together, with adjustable legs & handle)  
40W Model: One Single 40W Portable Panel with adjustable legs & handle  
1 x Carry Case  
1 x 10A Solar Charge Controller  
5m Cable with Weather-Pack Connector 1 x Battery Clamp Adapter with Weatherproof Connector  
1 x RTA Assembly with Weather-Pack Connector  
1 x Car Style Cigarette Connector (on 80W and 120W model Only)

#### Important Safety Information:

- Read and follow all instructions carefully. Charge Controller instructions are provided separately.
- Do not submerge unit, or any part thereof in any liquid.
- Do not operate in wet environments or leave in rain or snow.
- Use warm water and soft rag to clean panels. Do not use abrasive cleaners.
- Keep away from children. Keep close supervision when children are present.

The Solarland Portable Series is a simple "Plug & Play" design.



The 2 x (40W/60W) panels come attached in parallel and are cabled to the controller. 40W Portable comes in one single 40W solar panel.

A 5m cable comes attached to the controller with a Weather-Pack Connector.

A battery Clamp Adapter and Ring Terminal Adapter are provided as standard.



#### Ring Terminal Adapter:

The RTA adapter is designed for a permanent connection on one end to the battery, and a quick disconnect on the other to the controller.

Perfect when batteries are hard to access and the convenience of a quick disconnect is required.

The RTA Adapter is fitted with the Weather-Pack Connector for quick connection to the 5m cable from the controller.



#### Battery Clamp Adapter

The battery clamp adapter is fitted with the Weather-Pack Connector for quick disconnect with the 5m cable from the controller.



#### Weather-Pack Connector:

Weather-pack connector bodies are locking nylon and sealed against moisture, dust and dirt. Locking design provides a weather-tight connection.



#### Folding Legs:

Each panel has a folding leg with non-slip rubber boots.

Adjusting straps are provided to ensure a secure angle adjustment stays in place.

#### Installation & Connection:

- Cover the panels while connecting the battery clamps, attach clamps and then remove the cover exposing the panels to the sunlight. The battery charging will start within a few seconds after the controller has run through its 'self-check' procedure.
- Place the unit in a location with maximum sun exposure – full sun all day – for best performance.
- In the northern hemisphere you will need to be facing in a southerly direction.
- Keep panels free from shade and any kind of obstructions that may affect the sunlight getting to the panels.
- Keep panels free from debris such as leaves and dust.
- Do not place in long grass as this will cause shading on the solar cells at the bottom of the panels. A minimal amount of shading can have a large, negative affect on the panel performance.