

INSTRUCTIONS & HANDBOOK

SWD060-12P, SWD100-12P, SWD160-12P, SWD200-12P



Assembled in the USA!



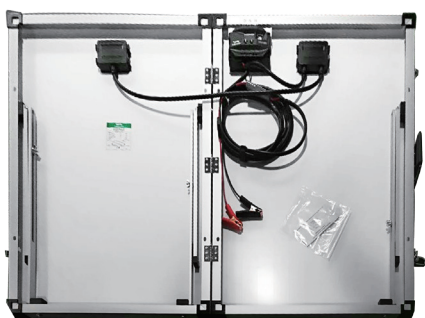
The SUNWANDERER Portable Series is designed to charge 12V Lead-Acid, GEL, and AGM style batteries.

Kit Contents:

60W&100W&160W&200W Model:
2 x 30W/50W/80W/100W Solar Panels
(Hinged together, with adjustable legs & handle)
100W has three legs, and the others have two.
1 x Carry Case
1 x Solar Charge Controller(10A for 60W&100W&160W, 20A for 200W)
1 x 5m Cable with Anderson Connector
1 x Battery Clamp Adapter with Anderson Connector

Important Safety Information:

- Read and follow all instructions carefully.
- 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 SUNWANDERER Portable Series is a simple " Plug & Play " design.

The 2 x (30W/50W/80W/100W) panels come pre-wired in parallel and are directly connected to the controller.

A 5m cable comes attached to the controller with an Anderson Connector.

A battery Clamp Adapter with an Anderson Connector is provided as standard.



Charge Controller:

- Vivid LCD Graphic Symbols
- Simple Button Operation
- 4-Stage PWM Charging
- Adaptable to Different Types of Batteries
- Automatic 12V/24V Identification
- Adjustable Charge-discharge Parameters
- Automatic Temperature Compensation



Battery Clamp Adapter

The battery clamp adapter is fitted with the Anderson Connector for a quick connection with the 5m cable from the controller.



Anderson Connector:

Anderson connectors feature a one piece plastic housing using stainless steel springs to hold low resistance contacts in place.



Folding Legs:

Each kit is equipped with adjustable folding legs (the 100W kit has 3 legs, and other kits have 2). The special rail design keeps the solar panel at any desired tilt angle without slipping.

Installation & Connection:

- Cover the panels while doing any type of connection (no sun exposure). Only after connecting wiring to the battery, you can remove the cover and expose panels to 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 the panels South.
- Keep panels free from shade and any kind of obstructions that may affect sunlight reaching 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 located at the bottom of the panels. A minimal amount of shading can have a large, negative effect on the panel's performance.