



SOLAR PANELS

MODEL NO'S: SPP01.V2 (12V/1.5W), SPP02.V1 (12V/2.4W), SPP03.V2 12V/4.8W

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual

1. SAFETY

- ✓ Observe standard safety procedures when using these items.
- ▲ **DANGER!** - Beware, lead-acid batteries generate explosive gases during normal battery operation.
- ✓ If the battery terminals are corroded or dirty, clean them before attaching the clips.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery. Contain, or tie back, long hair when working near batteries.
- ✓ Keep children and unauthorised persons away from connections.
- ☐ **WARNING!: DO NOT** use solar panels on any vehicles other than those with 12Volt DC systems.
- * **DO NOT** dis-assemble solar panel. The solar panel must be checked by qualified service personnel only.
- * **DO NOT** get solar panel wet or use in damp locations or areas where there is condensation.
- * **DO NOT** use the solar panel for any purpose other than for which it is designed.
- * **DO NOT** pull the cables or clips from the battery terminals.
- * **DO NOT** operate the solar panel if damaged.
- ✓ When not in use store in a safe, dry, childproof location.

2. INTRODUCTION

Amorphous solar panels convert daylight directly into 12V electricity. Suitable for maintaining charge in a wide range of batteries and power packs. Ideal for batteries stored in boats and caravans and for batteries in vehicles in long-term storage. IP44 Rating (non-waterproof). For use behind car windscreen or other protection. Supplied with battery clips and vehicle accessory socket plug (only suitable for vehicles with "permanent live" accessory socket).

3. SPECIFICATION

Model no:SPP01.V2
Output: 12V/1.5W
Dimensions:350 x 125mm
IP RatingIP44

Model No:SPP02.V1
Output 12V/2.4W
Dimensions:375 x 215mm
IP Rating:IP44

Model no:SPP03.V2
Output: 12V/4.8W
Dimensions:440 x 345mm
IP RatingIP44

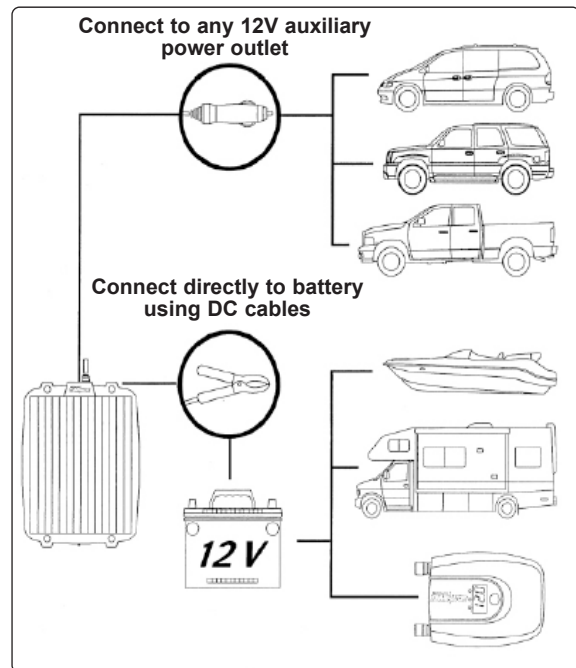
4. OPERATION

4.1. INSTALLATION

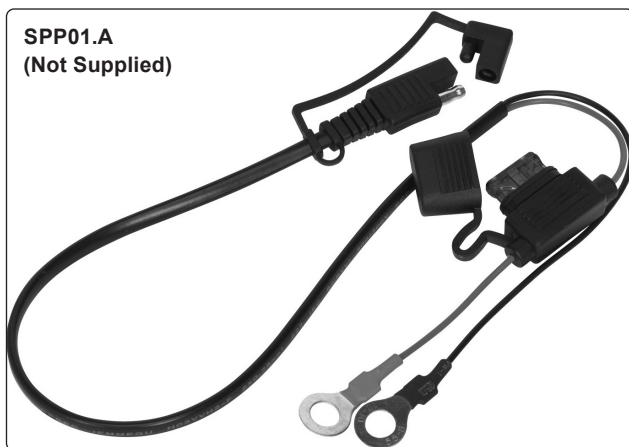
4.1.1. Insert the suction cups (SPP01.V2, SPP02.V1 only) into the pre-drilled ends of the solar panel ensuring that they are securely fixed. Choose a clean, dry surface, facing the sun, then dampen suction cups and mount to vehicle's dash or windscreen.

4.2. CONNECTION THROUGH VEHICLE ACCESSORY SOCKET (Only suitable for vehicles with "permanent live" accessory socket)

4.2.1. Attach the auxiliary adaptor lead to the solar panel lead. Plug the male-end of the auxiliary adaptor (12V plug) into the female auxiliary socket (in the vehicle) making sure that both ends are secure and aligned correctly. For optimal charging power, ensure the panel (solar cell up) is directly facing the sun. For vehicles that do not have permanent live accessory sockets refer to:



4.3. **WATERTIGHT HARDWIRED TERMINAL CONNECTOR (SPP01.A) FOR SPP01.V2, SPP02.V1 AND SPP03.V2 (NOT SUPPLIED), SEE BELOW.**



4.4. **BATTERY CONNECTION**

NOTE: Check the battery is 12V DC. **DO NOT** use with a 24V battery.

4.4.1. Attach the battery clip lead to the solar panel lead.

4.4.2. Ensure the battery terminals are clean, if necessary clean away any corrosion.

4.4.3. Clip the red (+) crocodile clip to the red (+) terminal post on the battery.

4.4.4. Clip the black (-) crocodile clip to the black (-) terminal post on the battery.

WARNING!: When disconnecting remove the black (-) clip from the battery first then remove the red (+) clip.

4.4.5. Battery terminal connection lead with in-line fuse unit and weatherproof cap to offer protection from water ingress when the connector is not in use. Can be left on the vehicle and simply connected to SPP01.V2, SSP02.V1 and SPP03.V2 when required.

WARNING!: The clips **MUST** be placed on to the battery in the aforementioned order, wrong connections may cause sparking or explosion.

NOTE: This solar panel has a built-in blocking diode that protects the battery from reverse discharge.

NOTE: The use of the solar panel is not recommended while the vehicle is in use.

NOTE: The solar panel is not weatherproofed - **DO NOT** use in wet or use in damp locations.

Parts support is available for this product. Please email sales@sealey.co.uk or telephone 01284 757500



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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