

# **SEA EAGLE.com**<sup>®</sup>



## **Sea Eagle Solar Canopy**

SE-8, SE-9, 10.6SR RIK & 12.6SR RIK

Instruction & Owner's Manual

For video instructions visit [SeaEagle.com/Instructions](http://SeaEagle.com/Instructions)

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## Introduction

Thank you for ordering the Sea Eagle Solar Canopy. We believe this is the finest solar panel and canopy on the market. This solar canopy is used with Torqeedo 1003 and will charge the Torqeedo lithium battery in less than 10 hours, depending on sunlight conditions. The unique properties of this amorphous silicon solar cell panel allows it to be flexible, to be rolled or unrolled, to be durable and to continuously recharge, even in low-light conditions.

PowerFilm integrated solar panels (thin film on plastic) are developed and manufactured with a proprietary roll process and they are truly rollable unlike other thin film technologies that are only somewhat flexible.

PowerFilm solar panels are all monolithically integrated which eliminates the need for damage-prone manual connections of individual solar cells. PowerFilm is made of silicon, a natural resource in abundant supply. PowerFilm is Cadmium Free, unlike some other solar technologies, and performs well in diverse environments, including hot sun, and does not suffer from wasted over-voltage.

**Solar Canopy is compatible with Torqeedo Ultralight 403, Travel 503 & Travel 10003 models.**

## Technical Data & Dimensions

### Output

40-45 watts (typical solar radiation in Europe / USA)

### Efficiency

Cell efficiency 7.0%, Module Efficiency 5.5%

### Cell Type

Amorphous Silicon

### Open Circuit Voltage

44 V

### Charging Time

Approximately 8 hours (Ultralight 403 & Travel 503)/ and approximately 13 hours for the (Travel 1003)

### Waterproof Charging

Connectors are fully waterproof, eliminating on the water risks of electrolytic corrosion.

### Unrolled Dimensions

58 x 36 inches

### Rolled Dimensions & Weight

6.3 inches/ 2.8 lbs.

## Warranty

Solar Canopy Frame is covered by a three year warranty handled directly by Sea Eagle. The PowerFilm Solar Panel is covered by the PowerFilm Warranty (below) and is not covered by the Sea Eagle two part guarantee.

**All sales on this product are final, and returns will not be accepted. Warranty work will be performed by the manufacturer.**

### Terms:

1 Year Warranty against manufacturer defects. Does not cover abuse or neglect. Must be rolled, can not be creased.

PowerFilm Inc, the parent company of PowerFilm Solar, warrants that this PowerFilm Solar product is free from defects in materials and workmanship that impact performance for a period of one(1)year.

The duration of the Limited Warranty is from the date of initial purchase from PowerFilm, Inc. The foregoing warranty does not apply to any defect, failure or damage caused by improper use, unauthorized modifications, neglect, improper testing, attempt to repair, inadequate maintenance or damage from accident, fire, abuse or other hazard.

An additional power output warranty may apply. Please visit the product specific section below for details on the power output warranty as well as any other product specific limitations.

PowerFilm's sole obligation and liability for products failing to comply with this warranty shall be at PowerFilm's choice, either to repair the products or replace the defective product with a new or remanufactured equivalent at no charge, provided that the warranty procedures have been followed.

To obtain service under this warranty, customers must return a failed unit to PowerFilm with the return authorization number, original proof of purchase, description of the failure, contact information and a return shipping address. PowerFilm will return repaired or replacement product at PowerFilm's cost.

## Setup



Always roll/unroll your solar panel and always with the silicon solar cells (dark side) in the OUTWARD position. Roll the solar module from the bottom up so that the plug remains on the outside.



Keep the shipping tube that your solar panel was shipped in. It is highly recommended to use this shipping tube as a storage unit for your solar panel. Please make sure that unit is dry before storage.



You should avoid creasing, crinkling, folding or standing on your solar panel as this can damage the silicon solar cells and degrade the performance of the solar panel.

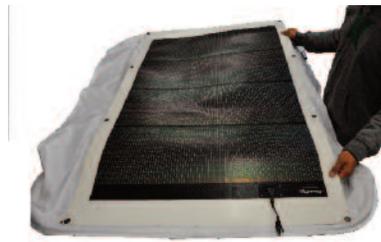


Included with the Solar Panel 45T

- 15" Extension Cord
- Shipping Tube
- Instruction Manual



The solar panel is weather resistant and can withstand freezing temperatures and water. After repeated use in fresh or salt water, wipe the solar panel with a dry cloth/sponge (no cleaning agents!) and dry before storage or further use. Avoid prolonged submersion.



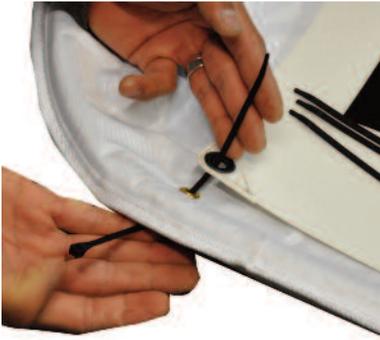
Unroll your Solar Panel 45W with the solar cells (dark side) facing out and place it on top of your canopy canvas.



DO NOT use the Solar Panel 45T with a 12 volt battery of any kind.



Solar Canopy grommets are pre-installed for installation. Included with the canopy are 8 (disposable) zip ties to secure your solar panel to the canopy. You can purchase additional zip ties in most hardware and department stores.



Take a zip tie and go underneath and slide the zip tie through the grommet on the underside of the canopy, then through the grommet and finally through the underside of the grommet on the solar panel. Repeat this process for grommets on the canopy and solar panel.



Once through, secure the zip tie by running it back through the small opening on the other end. Repeat this for all grommets. When storing your solar panel, carefully clip off zip ties and remove your solar panel from the canopy.



Make sure the plug on the junction box of the panel is well connected to the 15" cord. There is a tab on the plug that should make a clicking sound when securely connected to the cord. Plug the other end of the cord into the port on the motor with a plug icon above it.



You may permanently leave the panel connected to your battery. A blocking diode in the junction box that blocks reverse draining of current from your battery. As with any permanent connection to a battery, safely clean the connections on a periodic basis or as needed.

## Contact Information

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