

R42 : 42W PowerFilm Roll/Flex Solar Panel



Price: CAD \$899.00

SKU: PFR42

Product Categories: [Rollable Thin Film](#), [Shop](#), [Solar Modules](#)

Product Tags: [42 watt](#), [42w](#), [boat](#), [canada](#), [flexible solar panel](#), [flexible solar panels](#), [folding solar](#), [powerfilm](#), [powerfilm solar panels](#), [r-42](#), [r42](#), [rollable](#), [solar](#), [solar panel](#)

Product Page:

<https://www.modernoutpost.com/product/powerfilm-r42-rollable-solar/>

Product Summary

The R42 is one of the larger PowerFilm rollable, flexible solar panel series. The rollable series are waterproof and ideal for marine environments, variable mountain weather, and any other applications needing additional durability.

Max Power: 42 Watts, 2.7 Amp (model R-42)

Product Description

The R42 is one of PowerFilm's largest rollable format solar chargers. These flexible

solar panels are among the toughest thin-film portable solar panels available today. They are your best option for boats, kayaks, or any other activity where your solar equipment will be exposed to wet, or especially harsh environments. They are designed for users who need lightweight portable & remote power for laptops, cell phones, satellite phones, GPS units, & other. PowerFilm are about as thick as an ordinary canvas tarp, and almost as pliable! PowerFilm solar panels offer the best chemistry for off-season use and higher latitudes due to excellent solar panel sensitivity in low-light & partial shade.

Best Battery Matches [Goal Zero Yeti 300](#) [Goal Zero Yeti 700](#) [GP DuraCube](#)
[RELiON RB10](#) [RELiON RB20](#) [RELiON RB20-LT](#) [Bioenno BLF-1212A](#) [Bioenno BLF-1215A](#) [Bioenno BLF-1220A](#)

*Use a lithium solar charge controller with this module for LFP batteries...

[Genasun GV-5-Li-14.2](#) [Powerwerx MPPT-150](#)

Roll into a 6" tube for transport

The PowerFilm R-42 solar panels are monolithically integrated which means they are manufactured in layers. This eliminates the need for damage-prone manual connections of individual solar cells. PowerFilm flexible solar panels are made using amorphous silicon, and are naturally free from harmful heavy metals like cadmium that are used in other technologies.

Originally designed for military use, PowerFilm panels perform well in diverse conditions such as hot sun, and partial shade. They come ready to connect to batteries and an array of handy accessories using marine-grade plug and play connectors. Rugged corner grommets are provided for tying the panels to boat decks, backpacks, tents, and more. Portable solar power has never been more convenient!

Choose from [7](#)], [14](#)], [21](#)], [28](#)], [42](#)], or [60](#)] Watt output panels in the rollable line. These outputs are provided at 15.4V, which is great for charging all types of battery packs.

PowerFilm panels come with a female cigarette socket outlet. Choose other/additional connection options shown below to suit your application. A reverse current blocking diode is built-in.

UV resistant, weather resistant

Reverse blocking diode

Rugged construction

Includes female lighter adapter

Daisy chain multiple powerfilm units together (mix & match any sizes)

Powerfilm R42 Specifications...

Power Output:

2.7A @15.4v

42 Watts peak

Solar Panel Type: Amorphous Silicon

Dimensions:

60.8 x 26.14"

154.5 x 66.4cm

3.2 lbs (1.45kg)

Included Output Socket:

12V CLA

(car style socket)

Accesories:

Need PowerFilm cables or connectors?

Extension, daisy-chain, battery clamp, charge controller cables and more are available.

Check the [PowerFilm Page](#)], or see [Powerfilm Connectors & Cables](#)] under the "Equipment" menu.

Warranty:

3 years

Made in the USA

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 4.9 kg

Product Gallery

