

R-60 : 60W PowerFilm Roll/Flex Solar Panel



Price: CAD \$1,189.00

SKU: PFR60

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

Product Tags: [60 watt](#), [60w](#), [60w solar](#), [60w solar panel](#), [boat](#), [canada](#), [flexible solar panel](#), [flexible solar panels](#), [folding solar](#), [powerfilm](#), [powerfilm r-60](#), [powerfilm r60](#), [powerfilm solar panels](#), [r-60](#), [r60](#), [rollable](#), [sensitive](#), [solar](#), [solar panel](#), [thin film](#)

Product Page:

<https://www.modernoutpost.com/product/r-60-60w-powerfilm-roll-flex-solar-panel/>

Product Summary

The Powerfilm R-60 is the largest of the PowerFilm rollable, flexible solar panel series. This solar panel is tough, waterproof, and the most light sensitive on the market. Ideal for marine environments, variable mountain weather, and any other applications needing additional durability. 60 Watts, 3.9 Amp.

Price includes shipping within Canada.

Product Description

PowerFilm R-60 rollable, 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 [RELiON RB10PVC](#) [RELiON RB12](#) [RELiON RB20](#) [RELiON RB20-LT](#) [RELiON RB52](#) [Bioenno BLF-1209A](#) [Bioenno BLF-1212A](#) [Bioenno BLF-1215A](#) [Bioenno BLF-1220A](#)

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

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

R-60 Solar Panels Are Tough!

PowerFilm 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!

Other Rollable Models

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 the [RA-2 Female Cigarette Socket Outlet](#) & [RA-11 O-Ring Battery Connect Cable](#). 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

[Daisy chain](#)] multiple Powerfilm units together (mix & match any sizes)

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Powerfilm R-60 Specifications...

Power Output:

3.9A @15.4v

60 Watts peak

Solar Panel Type: Amorphous Silicon

Dimensions:

86.05 x 26.14"

218.6 x 66.4cm

4 lbs (1.82kg)

Included Output Socket:

12V CLA

(car style socket)

Accessories:

Need PowerFilm cables or connectors?

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

Check the specific accessories listed on this page, or see "Connectors" under the "Power Category" in the main navigation menu.

Warranty:

3 years

Made in the USA Price includes shipping within Canada.

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R-60 Solar Applications...

12V battery charging

Trolling motor, smartphone, fish finder, GPS, car, RV, lawnmower, ATV

Camp lighting

Ham radio and similar communications gear

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R-60 Solar Benefits

Extend Battery Life - as much as 6-10 years

Easy to Use - Unroll the panel and start charging in seconds.

Portable - the solar panel unrolls easily and rolls up into a compact package.

Rugged - marine grade connectors, and the most flexible and durable solar in the world - stands up to hail and all weather elements

Low Light Operation - provides some power even in hazy or shaded environments.

Lightweight - No frames, no special stands or mounting brackets needed

Waterproof - No worry about using in wet environments

Glass Free - Nothing to be broken

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Suggested accessories:

Charge Controllers (select appropriate charge controller based on panel output):

Genasun GV5-PB-12 (MPPT for AGM)

[Genasun GV5-LI-14.2](#) (MPPT for Lithium)

[MPPT-150](#) (MPPT for Lithium)

[4.5A Charge Controller \(RA-9\)](#) [6A Charge Controller \(RV-9\)](#) [10A Charge Controller \(CC12V-10\)](#) [Male 12V Car Charger Adapter \(RA-1\)](#)] charge your vehicle's battery through the 12V power port in your dashboard. Consult your vehicle's owner's manual for more information.

[Anderson Power Pole Connector \(RA-13\)](#)] [15 ft. Extension Cord with Alligator Clips \(RA-8\)](#)] for quick temporary connections to batteries.

15 ft. Extension Cord (RA-7) Daisy Chain Cable (RA-6-HD) - connect a second panel (must be the same voltage) in parallel generating up to 20A (if necessary, use a charge controller appropriate for the combined panel output).

Additional Resources...

[Rollable Solar Panel FAQ's](#)

60 Watt Rollable Solar Panel Spec Sheet

File Size: 634.77 KB

Rollable Solar Panel Instructions

File Size: 47.33 KB

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 5.9 kg

Product Gallery

