

# EcoFlow 45W & 60W Portable Solar Panels



# About EcoFlow

# How It All Started

In 2017, a multidisciplinary team of engineers, with vast experience and expertise in the battery industry, formed EcoFlow. United in the belief that access to power is a fundamental human right, the group began developing solutions to relieve global populations from power insecurity. Today, as an eco-friendly energy solutions company, EcoFlow leads the way with industry-defining portable power stations, solar technology, and the world's first portable home battery with an expandable ecosystem for home power independence.



Note: Data collected by November 2022.

# A fast-growing business. A well-established brand.

Serving users from 100+ countries



>2,500,000

Consumers worldwide using EcoFlow



>2,500

employees



>1,200

engineers

## We are No. 1

>40%

Global market share of portable power stations

+450%

growth in sales revenue YOY

# Product Line: Power Storage



2017

RIVER

Launched First Power Station RIVER at CES



2019

DELTA A

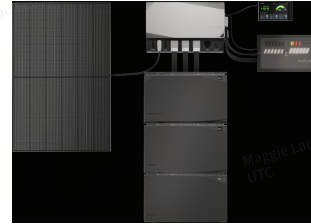
First Portable Power Station with X-Stream, broke Makuake's record for the most funded crowdfunding project



2021

DELTA Pro  
Smart Home  
Panel

First portable home battery with an expandable ecosystem, named as TIME's 100 Best Inventions of 2021



2022

Power  
Kits

World's first all-in-one modular off-grid home solar storage system



2023

PowerStream  
PowerOcean  
Series

Power independence for every home

- 1st balcony power plant with storage
  - Home solar storage solution
  - Retrofit battery storage solution

# Recognized in the Press

**Bloomberg**

“EcoFlow is among a number of tech startups that have a particular strength that can make them competitive on the global stage.”

**Forbes**

“EcoFlow Tech is the real deal. It’s something you might want to think about keeping on hand...”

**CNN underscored**

“Best medium-capacity and high-capacity solar generator: EcoFlow DELTA 2 & EcoFlow DELTA Pro”

**THE VERGE**

“EcoFlow’s portable power solutions are both thoughtful in design and sustainable.”

**BBC**

“There are definitely some energy positives (in EcoFlow’s products). The uses of fast charging LFP 4-battery system were generated before the current energy crisis, its time may just have come.”

**MUD MAKE USE OF.**

“This is the next-generation of portable power stations from EcoFlow, a product the company hopes will set a new benchmark for the industry.”

**stern**

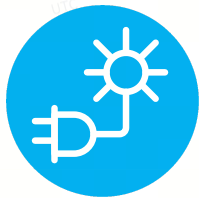
“Powerbox EcoFlow DELTA 2 – ungeahnte Power in dieser Klasse”

**FRANDROID**

"huit meilleures nouveautés à retenir de l’ IFA 2022"

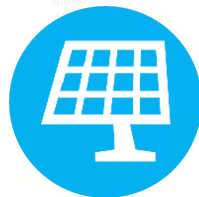
# EcoFlow 45W & 60W Portable Solar Panels

# 5 Reasons to Go Solar



## Easily accessible power supply

Harness the sun's energy whether deep in the wilderness or at a remote campsite, the simplicity of deploying a solar panel means you can maintain a reliable power source for navigation, communication, or leisure, transforming how we connect with the great outdoors



## Performance Guaranteed

Solar is a proven technology. With durable solar panels that can withstand even harsh weather conditions. EcoFlow's solar panels are some of the market's most efficient and robust.



## Limited Maintenance

Going solar nets you a great return on your investment. Most solar panels can continuously work for decades with only occasional cleaning.



## Environmental Leadership

Going solar means users will reduce their carbon footprint and help to build a more sustainable world.



## Energy Independence

With solar you're in control of your own energy. Take a more intelligent approach to energy by controlling your own source, including storage and backup to stay connected no matter what. Solar is also an affordable, eco-friendly way to fuel your electric vehicle.



# EcoFlow next generation mini portable power panels



**60W Portable Solar Panel**



**45W Portable Solar Panel**

**Up to 25% conversion rate**

**Extremely compact**

**IP68 waterproof rating**

**Design for hanging**

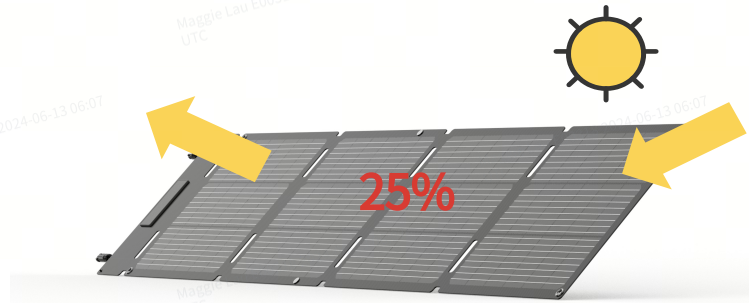
# Up to 25% conversion rate

## Charg faster with an even smaller panel

With the introduction of TOPCon solar technology, a first in the mini portable solar panel industry, we've set a new standard for conversion efficiency, achieving 25%. This enables faster charging in a more compact form.

### What is N Type TOPCon

TOPCon (Tunnel Oxide Passivated Contact) is a solar cell technology that achieves efficient charge transfer and reduces surface recombination losses by forming an ultra-thin oxide layer and undoped polysilicon layer on a silicon substrate.



### N Type TOPCon VS P Type PERC

Conversion rate increased by **9.6%** ↑

Output power loss in high temperature reduced by **16.7%** ↓

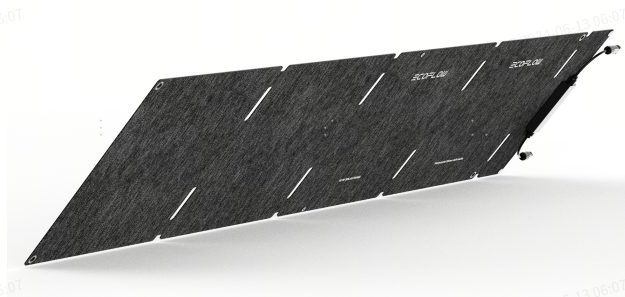
Better low-light performance extends daily power generation by **1 hr** ↑

No photovoltaic degradation, **longer working life and constantly stable performance** ↑

# Extremely compact

## Easily fit into any compact space

With its four-fold structure, the portable solar panel significantly reduces in size when folded, allowing it to easily fit into compact spaces such as backpacks, SUVs, or mini vans.



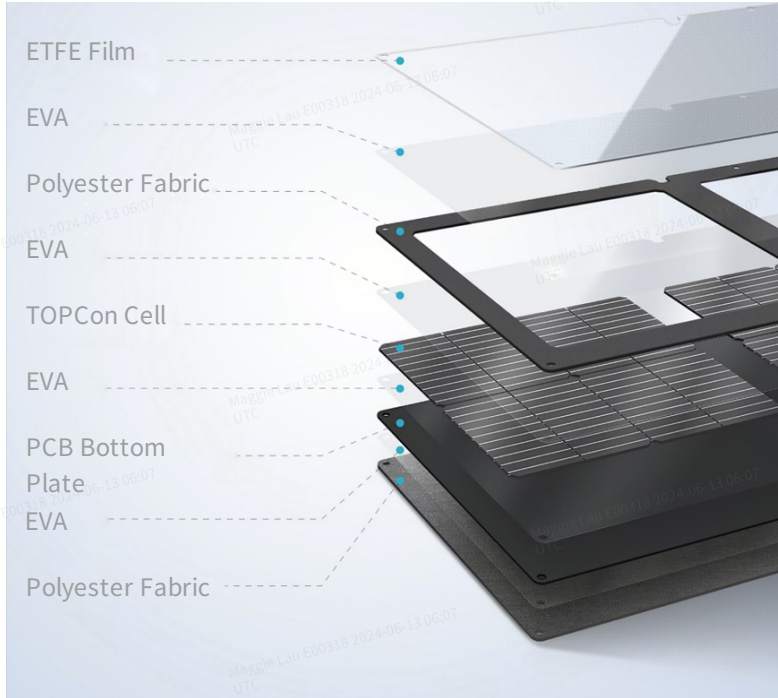
### Weight and folded size

	Weight	Weight Reduce	Length	Height	Area	Size Reduce
60W Portable Solar Panel	7.1 lb/3.2 kg		15 in/380 mm	15.8 in/402mm	237 ft <sup>2</sup> /15.3 cm <sup>2</sup>	
[New] 60W Portable Solar Panel	4.6 lb/2.1 kg	34% ↓	12.5 in/317 mm	12.2 in/309mm	152.5 ft <sup>2</sup> /9.8 cm <sup>2</sup>	36% ↓
[New] 45W Portable Solar Panel	3.1 lb/1.4 kg	56% ↓	8.7 in/222 mm	12.2 in/309mm	106.1 ft <sup>2</sup> /6.9 cm <sup>2</sup>	55% ↓

# IP68 Waterproof rating

## Always be ready for unexpected weather

With a high IP68 waterproof rating and a protective ETFE film, the solar cells continue to collect energy even during downpours.



### V.S. competitors

The majority of competitors offer products rated IP65-67, or partially IP68, particularly concerning the connection of the charging cable.

# IP68

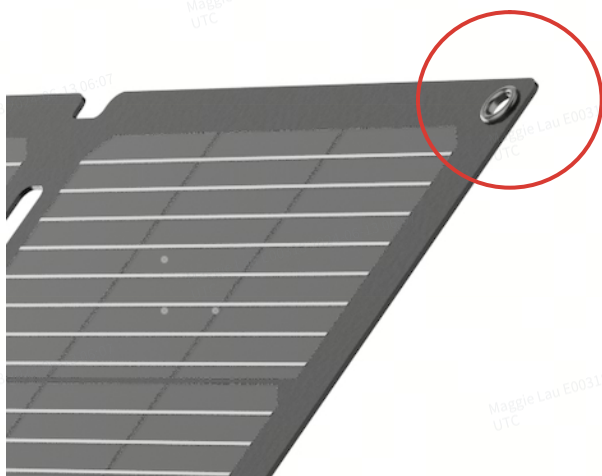
## Classification



# Design for hanging

## Charging on the go

In addition to being laid flat on the ground or tilted using a stand, both the new 45W and 60W portable solar panels can be hung using the four hanging slots and free hooks provided. Whether hung on your car or backpack, this allows you to save time by charging while you're heading to your next destination.



# EcoFlow 45W & 60W Solar Panels Specifications



Model	60W Portable Solar Panel	60W Portable Solar Panel	45W Portable Solar Panel
Solar Output	60W	60W	45W
Cell Type	P Type PERC Monocrystalline Silicon	N Type TOPCon monocrystalline silicon	N Type TOPCon monocrystalline silicon
Conversion Rate	23.4%	25%	25%
Waterproof rating	IP68	IP68	IP68
Weight	Approx. 7.1 lb/3.2 kg	Approx. 4.6 lb/2.1 kg	Approx. 3.1 lb/1.4 kg
Dimensions	Unfolded: 40.6 x 15.8 in/1030 x 402 mm Folded: 15 x 15.8 in/380 x 402 mm	Unfolded: 53.39 x 12.17 in/1356 x 309 mm Folded: 12.48 x 12.17 in/ 317 x 309 mm	Unfolded: 38.58 x 12.17 in/980 x 309 mm Folded: 8.74 x 12.17 in/222 x 309 mm
Usage Options	Tilted, Lying Flat	Tilted, Lying Flat, Suspended	Tilted, Lying Flat, Suspended
Warranty	12 Months	12 Months	12 Months

Thank you for watching!