

# Portable Solar Panel



100W~220W

The Ohblue Portable Foldable Solar Panel Series (100–220W) delivers lightweight, reliable power for off-grid, travel, and emergency use. Available in fabric-encased or laminated designs, it features high efficiency, broad compatibility, and built-in safety, with a foldable, quick-deploy form for easy outdoor use.



## /// Features

- ◆ Premium A+ monocrystalline silicon cells with impressive conversion efficiency.
- ◆ ETFE layer: waterproof, dustproof, wear-resistant, heat-resistant
- ◆ Wide compatibility with power stations, smartphones, tablets, and more.
- ◆ USB controller with multiple charging protection.
- ◆ Foldable design with kickstands for easy setup during outdoor adventures.



## Electrical Specifications

Model	OB-F100W	OB-F110W	OB-F200W	OB-F220W
Maximum Power at STC (Pmax)	100W	110W	200W	220W
Maximum Power Voltage (Vmp)	20.16V	18.6V	20.16V	19.8V
Maximum Power Current (Imp)	4.96A	5.95A	9.92A	11.11A
Open-circuit Voltage (Voc)	24.3V	22.28V	24.3V	22.74V
Short-circuit Current (Isc)	5.25A	6.3A	10.5A	11.77A
Solar Connector Output	The solar connector output parameters are determined by the actual panel output, with built-in anti-reverse charging protection.			
USB-A Output(Black)	5V/3A			
USB-A Output(Orange)	5V/3A, 9V/2A, 12V/1.5A			
Type-C Output	5V/3A, 9V/3A, 12V/3A, 15V/3A			
Operating Temperature Range	14°F ~ 158°F/-10°C ~ 70°C			

\*STC(Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5.

## Mechanical Parameters

Model	OB-F100W	OB-F110W	OB-F200W	OB-F220W
Cell Type	Monocrystalline Silicon	N-Type 16BB	Monocrystalline Silicon	N-Type 16BB
Cell Efficiency	23.5%	25%	23.5%	25%
Surface Material	ETFE			
IP Rating	IP67			
Unfolded Dimensions (mm)	1230 × 535 × 25	1208 × 582 × 25	2382 × 535 × 25	2405 × 584 × 30
Folded Dimensions (mm)	613 × 535 × 45	602 × 582 × 50	635 × 535 × 50	645 × 584 × 50
Weight (kg)	4.3	4.34	8.6	7.2