

Flexible Solar Panel Series — Ultra-lightweight and bendable, designed for RVs, yachts, trucks, and other mobile applications. Perfectly fits curved surfaces, easy to carry and install, delivering a flexible and reliable off-grid power solution anytime, anywhere.



## ☰ Features

- ◆ **High-Efficiency Solar Cells**

Premium A+ monocrystalline silicon cells with impressive conversion efficiency.

- ◆ **Flexible & Versatile Design**

Lightweight and adaptable, suitable for installation on a wide range of surfaces for different applications.

- ◆ **ETFE Protective Layer**

Waterproof, dustproof, abrasion-resistant, and heat-resistant, ensuring long-lasting outdoor performance.

- ◆ **Bypass Diode Technology**

Allows current to bypass shaded or dirty areas, ensuring continuous power output and boosting overall system efficiency.

- ◆ **Universal Compatibility**

Broad compatibility with universal solar connectors.



## ☰ Electrical Specifications

Model	OB-R50W	OB-R100W	OB-R200W
Maximum Power at STC (Pmax)	50W	100W	200W
Maximum Power Voltage (Vmp)	19.10V	18.61V	19.10V
Maximum Power Current (Imp)	2.61A	5.38A	10.47A
Open-circuit Voltage (Voc)	21.39V	21.17V	22.90V
Short-circuit Current (Isc)	2.92A	5.90A	11.08A
Operating Temperature Range		-10°C ~ 70°C	
Max. System Voltage (DC)		600V	
Max. Over Current	5A	15A	20A

\*STC(Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5.

## ☰ Mechanical Parameters

Model	OB-R50W	OB-R100W	OB-R200W
Cell Type	182 11BB Monocrystalline Silicon, PERC		
Cell Efficiency	23.5%		
Surface Material	ETFE		
IP Rating	IP68		
Connector	Solar Connectors		
Application Class	Class A		
Fire Rating	Class C		
Dimensions (±2mm)	895 × 435 × 25	1111 × 620 × 25	1669 × 805 × 25

## ☰ Temperature Characteristics

Model	OB-R50W	OB-R100W	OB-R200W
Temperature Coefficients of Pmax		-0.32%/°C	
Temperature Coefficients of Voc		-0.26%/°C	
Temperature Coefficients of Isc		+0.046%/°C	
NMOT		42°C ± 2°C	