

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/m², 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		