



**EcoFlow 160W Solar Panel technical specifications:
EF-FOLD-400-LW**

Functional classification	Function item	400W technical specifications: EF-FOLD-400-LW
Manufacturing process	Integrated lamination	Appearance No bubbles, no delamination
Quality Assurance	Process and material quality assurance	5 years product quality assurance
Structural parameters	Product size	Folded dimensions: 659mm*967mm*36mm(including handle) Expanded dimensions: 2509mm*967mm*26mm (including handle)
	Product weight	10.2kg±0.3kg
Electrical parameters STC: AM1.5 1000W/m ² , 25 °C (Slightly different from the nameplate information, external information is subject to the nameplate reference)	Cell type	182.2X183.75mm N-Type Topcon Battery Technology
	Cell class	Grade A
	Cell efficiency	≥25% (Refers to the ability of a solar cell to convert the received solar energy into electrical energy. Simply put, it represents the proportion of light energy that a solar cell can convert into electrical energy under given lighting conditions)
	Peak power	Pm≥400W
	Peak operating voltage	Vpm=34.5V
	Peak operating current	Ipm=11.7A
	Open circuit voltage	Voc=39.3V
	Short-circuit current	Isc=12.2A
	Double-sided rate (under the same lighting conditions, the front is 125W, and the back can reach 125 * 80% = 100W)	80±5%
Temperature coefficient	Peak power temperature coefficient	-0.3%/°C
	Open-circuit voltage temperature coefficient	-0.25%/°C
	Short-circuit current temperature coefficient	0.045%/°C
Operating parameters	Working temperature	-40°C-85°C
	Working humidity	20%-60% (relative humidity)
	Storage temperature	20°C-60°C
	Power tolerance	±5W
	Nominal operating temperature (NMOT)	43±2°C
	Safety protection level	IP68 (The product is placed at a depth of 1 meter underwater for 1 hour, and there is no water or dust inside the product and junction box)



Function	Angle adjustment	Integrated bracket, installed within 30s, adjustable angle 30°, 45°, 60°
	Manual tracking	Integrated sundial, adjust the product support angle according to the shadow of the pointer after the product is unfolded, with an accuracy error of less than 10 °
Certification	Safety regulations	European Union: IEC 61215-2:2021, IEC 63163:2021 Africa, Asia, and Latin America: IECCE
	EMC	EN61000-6-1、EN61000-6-3
	Chemical	European Union: EU RoHS, REACH SVHC, REACH Organotins, REACH & AfPS PAHS, PoPs-SCCP, WEEENorth America: CA65, TSCAChina: China RoHSAfrica, Asia, and Latin America: UAE ROHS, UAE LVE
	Waterproof and dustproof grade	IP68
	FCC/IC	FCC Part 15B/ICNorth America: FCC Part 15B/IC
	US transportation	ISTA 3ANorth America: ISTA 3A
	US retailer product registration certification	WERCS
	China	China ROHS 10 Items
Australia	RCMAustralia: RCM	