



**EcoFlow 160W Solar Panel technical specifications:
EF-FOLD-220-LW**

| Functional classification | Function item | 220W technical specifications: EF-FOLD-220-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: 603mm*598mm*36mm (including handle); Expanded dimensions: 2270mm*598mm*26mm (including handle) |
| | Product weight | 5.1kg±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 ≥ 220W |
| | Peak operating voltage | Vpm=18.8V |
| | Peak operating current | Ipm=11.7A |
| | Open circuit voltage | Voc=21.4V |
| | 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 | -20°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 within 30~ 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 63163:2021Africa, Asia, and Latin America: IEC60900 |
| | 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 3A |
| | US retailer product registration certification | WERCS |
| | China | China ROHS 10 Items |
| Australia | RCMAustralia: RCM | |