

**Flexible Solar
Panel
Datasheet**
LS-240W

Description

Lionshee 240W Flexible mono solar panel ensures reliable and sustainable power for off-grid living, maintaining over 80% output efficiency even after 25 years of use. It weighs 50% less than rigid panels, making it easy to carry and install. In addition, an additional composite layer is embedded inside to increase durability and flexibility.

Designed to be lightweight, portable and versatile, it is suitable for a variety of applications where traditional rigid panels are impractical.

Often installed on a smaller scale on balconies, RVs, backpacks and near tents, etc.

Features



240W Electricity Output



25 Years Power Warranty



182 x 83 MONO SOLAR CELL



IP67 Waterproof



6.83 lbs(3.1KG) Light Weight



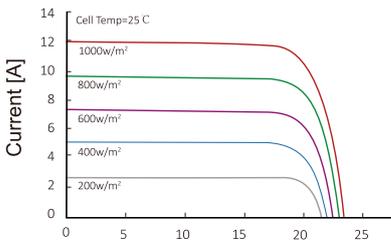
Bendable up to 120°

Technical Specifications

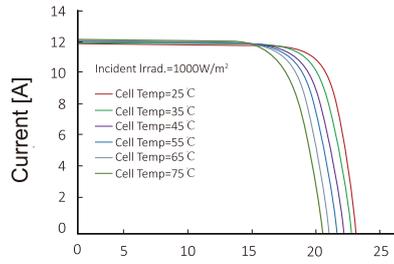
| Model | LS-240W |
|----------------------------------|-------------------------------|
| Type Name | FLEX240MD(BK) |
| Maximum Power (Wp) | 240W |
| Cell No. | MONO182 (6x12) |
| Connection | Parallel |
| Open Circuit Voltage (Voc) | 23.60V |
| Short Circuit Current (Isc) | 11.90A |
| Maximum Power Voltage (Vm) | 19.60V |
| Maximum Power Current (Im) | 11.23A |
| Maximum Series Fuse | 20A |
| Efficiency | 17.55% |
| Net Weight | 2.6KG |
| Cables & Plug Connectors | 2x3000mm / 2.5m ^{m²} |
| Module Dimensions (L/W/H) | 1150x1090x2mm |
| 2 in 1 Carton Dimensions (inner) | 1170x1120x30mm |
| Qty/20GP | 1300pcs |
| Number of Diode | 2 |
| Power Tolerance | ±3% |
| Junction Box (Protection Degree) | ≥IP67 |
| Maximum System Voltage | 600V/DC |
| Temperature-Coefficient Isc | +0.08558%/°C |
| Temperature-Coefficient Uoc | -0.29506%/°C |
| Temperature-Coefficient Pmpp | -0.38001%/°C |
| Operating Temperature | -40°C... +85°C |
| Standard Test Conditions | 1000W/M2,25°C, AM1.5 |
| Certificate | CE |
| Warranty | 10 years' product warranty |

- Higher Initial Transmittance
- Better Aging Performance
- Lower Power Attenuation

CURRENT-VOLTAGE CURVES:



Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m^2

