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SP-30

30 Watt All Weather Solar Panel - 18v - Off Grid Model - IEC Certified

Product ID: 72880

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

The SP-30 Off-Grid Solar Module is a IEC and UL certified 30 Watt, 18v all weather solar panel. This solar panel is suitable for residential and commercial stand-alone systems, is Class C Fire rated, and is designed to withstand severe weather conditions.
The SP-30 Off-Grid Solar Module consists of 36 polycrystalline solar cells and measures 15.8" in length, 27.25" in height, and 3" in depth. This solar panel is fabricated from high transmission tempered glass, polymer back sheets, and a clear anodized aluminum frame. This solar power unit comes with a junction box to secure cable connections and be linked to multiple units for added solar energy. The SP-30 produces 30 Watts of energy, making it suitable for powering a number of commercial and residential appliances, such as LED lighting, cell phones, small radios, and other low energy appliances.

Features

- Module can withstand several weather conditions
- Guaranteed power output (0~+5%)
- High performance under low light conditions (Cloudy days, mornings and evenings)
- Manufactured according to International Quality and Environment Management Standards (ISO9001)

- IEC certified by TUV

Electrical Data @ STC

Peak Power Watts - PMAX (WP)	30
Power Output Tolerance - PMAX (%)	+/- 5%
Maximum Power Voltage - VMP (V)	18
Maximum Power Current - IMPP (A)	1.67
Open Circuit Voltage - VOC (V)	22.3
Short Circuit Current - ISC (A)	1.82
Module Efficiency nm (%)	12.4 %

Mechanical Data

Solar Cells	Polycrystaline Solar Cells
Number of Cells	18
Module Dimension	27.25" x 15.8" x 3" (692mm x 350mm x 25mm)
Weight	6.8 lbs (5.7 kg)
Glass	High Transmission Tempered Glass (3.2mm)
Frame	Anodized Aluminum Alloy

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	48°C (±3°C)
Temperature Coefficient of Im	+0.1%/°C
Temperature Coefficient of VM	+0.38%/°C

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	600V DC
Max Series Fuse Rating	6A

Please note that charge controllers, batteries, and inverters are sold separately.

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Frequently Asked Questions (FAQ)





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Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Dimensional Drawing 2D**
- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**