Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
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HAL-SPNL-10

10W Explosion Proof Solar Panel - Class I, Div 2 - 12V - IP65 Junction Box

Product ID: 264934

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



Image: HAL-SPNL-10

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.

HAL-SPNL-10 Explosion Proof Solar Panel

Listing: NRTL Listed for United States and Canada
Solar Cells: Crystalline Silicon
Panel Dimensions: 16.73" x 10.74" x 1.97"
Cells Orientation: 36 Cells
Weight: 4.2 lbs
Voltage: 12V (Nominal)
Maximum System Voltage: 50V
Watts: 10W
Current: 0.56A
Module Efficiency: 8.8%
Tolerance: +/- 10%
Limiting Reverse Current: 0.65A
Temperature Coefficient of Isc: 0.105%/°C
Temperature Coefficient of Voc: -0.360%/°C
Temperature Coefficient of Pmax: -0.45%/°C
Maximum Fuse Rating: 1A
Open Circuit Voltage - Voc: 22.1V
Short Circuit Current - Isc: 0.58A
Materials: Silver Anodized Aluminum (Frame), Polyester (Back), EVA (Encapsulant)
Cover: High Transmission 1/8" Glass

Ratings/Approvals

Class I, Division 2
IP65 Junction Box
Certified to IEC
Certified to UL

Special Orders - Special Requirements

Contact us for special requirements
Intl: 1-903-270-1187

Connections: (4) Terminal Screw Connection Blocks
Hub Size: 1/2"
Color: White

Toll Free: 1-800-369-6671
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The HAL-SPNL-10 10-watt Explosion Proof Solar Panel from Larson Electronics is a high output module designed for solar-powered systems in Class I, Division 2 hazardous locations. The 12V unit contains 36 crystalline silicon cells. An IP65 rated junction box is available for housing connections between the explosion proof solar panel and other system components.

This explosion proof module is a crucial component in solar-powered systems. The 10-watt solar panel operates on 12V (nominal) with a module efficiency rate of 8.8 percent. At maximum power, the unit offers 17.9V and a current of 0.56A. Featuring a Class C application class, the module comes with an 1A maximum fuse rating. The lightweight unit weighs 6 lbs and measures 16.73" x 10.74" x 1.97". This solar panel is certified to IEC and UL.

Durability/Wiring: The HAL-SPNL-10 is designed to withstand rugged, outdoor environments. The frame is constructed of silver anodized aluminum, while the back cover is made out of white polyester for insulation. For extra protection, the front cover is constructed of high transmission glass (1/8" thick). The hazardous location solar panel comes with a sturdy J-type junction box equipped with 1/2" hub with accessible terminals for connections to other components of the solar-powered system. A total of four terminal screw connection blocks is available, capable of accepting 8-14 AWG wires.

Applications: Hazardous locations, chemical processing plants, refineries, oil and gas, solar-powered systems, remote locations, alternative energy, sustainable energy systems, solar lighting, portable power, battery-powered systems, rechargeable lighting and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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Frequently Asked Questions (FAQ)

There are no Faqs

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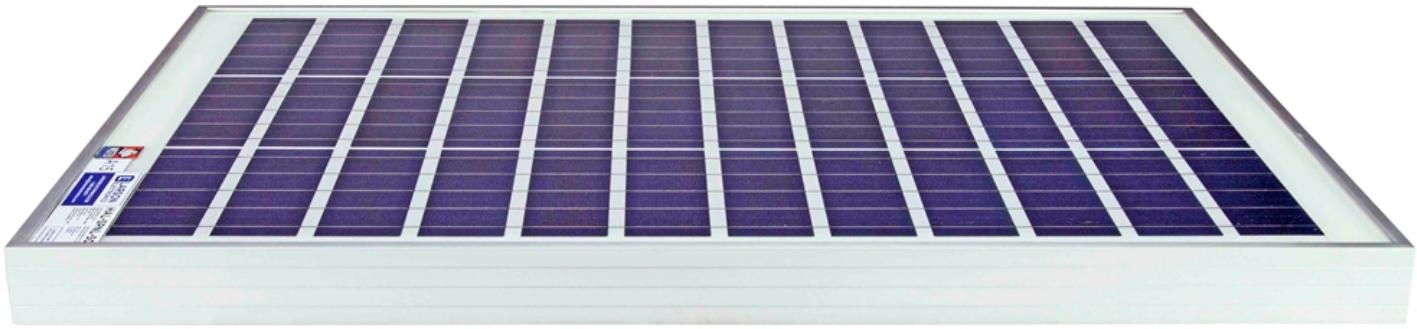


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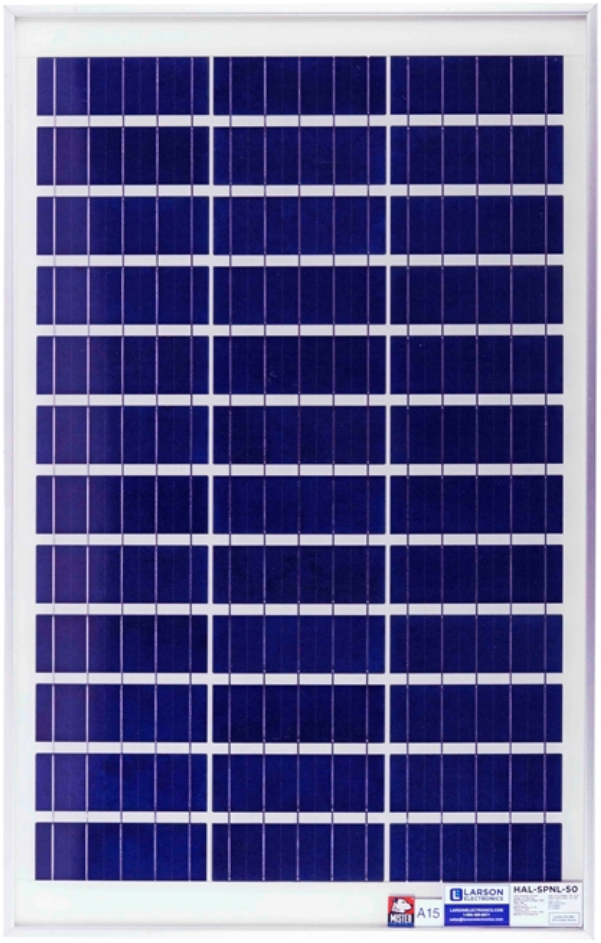


Image: HAL-SPNL-10



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Export Control Classification Number (ECCN): EAR99

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