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-SPSM-.75KW-12V-1000AH

Hazardous Location Solar Panels w/ Batteries - C1D2, 12V - (4) Panels, (4) Batteries - Skid Mount

Product ID: 153789



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-SPSM-.75KW-12V-1000AH Hazardous Location Solar Powered PV Panels w/ Batteries

Unit Type: Solar Powered System
Solar Panel Dimensions: 62.5" x 31.1" x 2"
Weight: -

Battery Type: Valve Regulated Lead Acid

Capacity: (4) 250aH 8D 12V

Panel Watts: 760 - (4) 190W Solar Panels

Voltage at Pmax (Vmpp): 38V

Current at Pmax (Impp): 5A
Module Efficiency: 15.2%

Solar Cells: 144 Crystalline 5" Silicon Cells

Mount: Floor or Pole Mount via Rear-access U-bolts (Batteries), Skid Mount Frame Mount (Solar Panels)

Runtime: (1) 190W 12V Electrical Device - 72 Hrs w/o Sun

Wiring: 40` 12/2 SOOW Cord

Ratings/Approvals

Listed for the US and Canada
Class I, Division 2
(4) IP65 Solar Panels

Special Orders - Special Requirements

Contact us for special requirements

Intl: 1-903-270-1187

Toll Free: 1-800-369-6671

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

Made in Texas

The HAL-SPSM-.75KW-12V-1000AH Hazardous Location Solar Panel w/ Batteries from Larson Electronics is ideal for powering equipment in remote industrial facilities. This sustainable system consists of four, 190-watt hazardous location solar panels (on a skid mount frame) and an external Class I, Division 2 enclosure, which houses four, 250aH batteries and controls (floor or pole mount via rear-access U-bolts).

The HAL-SPSM-.75KW-12V-1000AH is a sustainable-energy system for

deployment in hazardous locations. This unit features four, 190-watt solar panels and four batteries for storage. The four, 12V 250aH 8D batteries provide constant, reliable power for connected equipment. As with all solar powered equipment, charging time is affected by the amount of available ambient light. Indirect sunlight and low ambient light levels, such as on cloudy days, will extend the charge time. Runtime for the system is 72 hours (without sun), when powering one 190-watt 12V electrical device.

The valve regulated lead acid batteries and controls are contained within a heavy-duty remote enclosure that is powder coated aluminum for corrosion resistance and includes pad-lockable hasps. The Class I, Division 2 enclosure is equipped with circuit breakers for short circuit protection.

Mounting: During installation, operators may secure the solar panels, using a skid mount frame, on flat surfaces. The battery enclosure can be mounted on the floor or on poles via rear-access U-bolts.

Wiring: The HAL-SPSM-.75KW-12V-1000AH ships with 40 feet of 12/2 SOOW cord. Custom lengths are available upon request. Please contact us for special requirements.

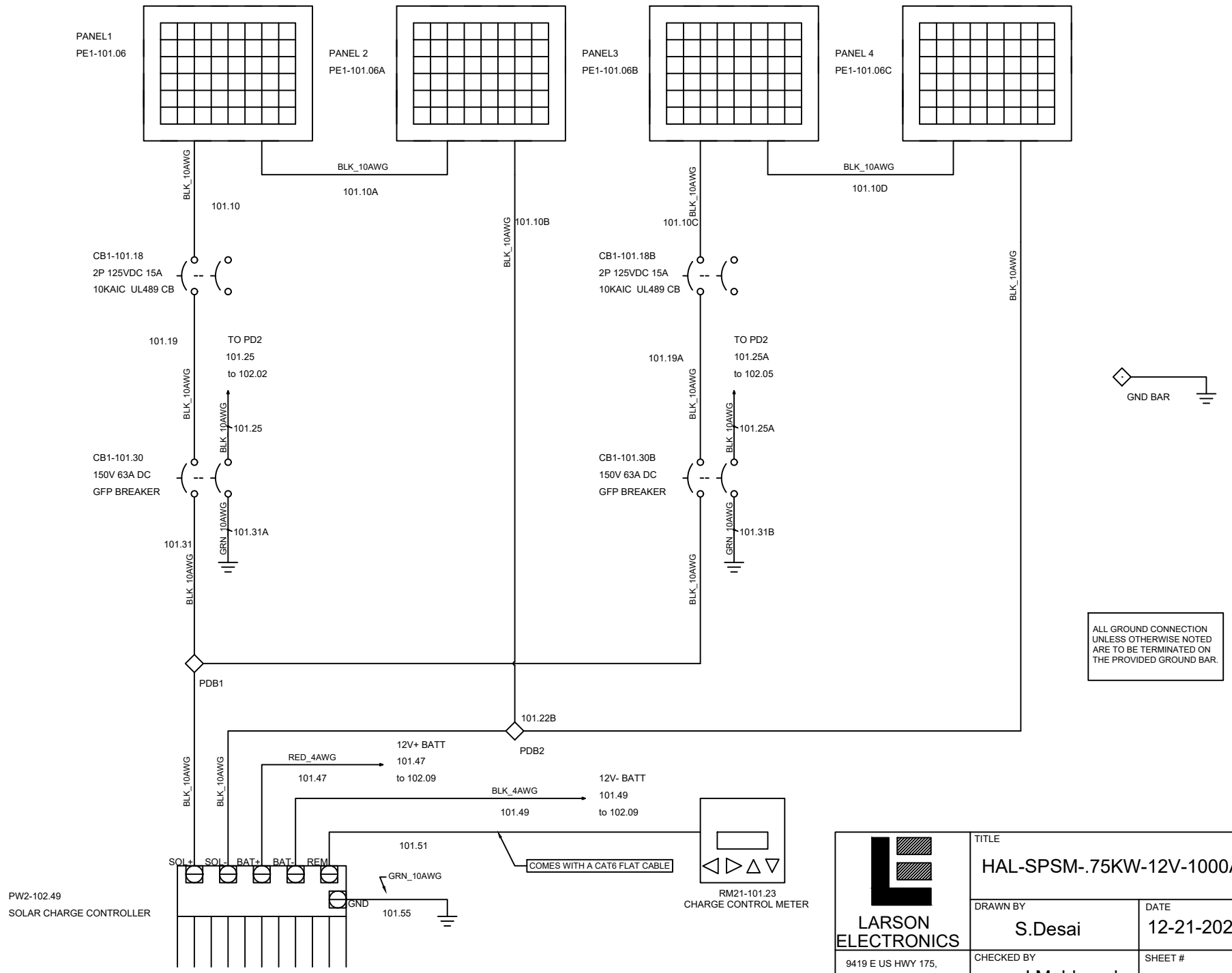
Applications: Class I, Division 2 environments, paint spray booths, aircraft maintenance, oil drilling rigs, refineries, solvent and cleaning areas, gas processing plants, chemical manufacturing, waste treatment plants, agricultural sites, grain storage facilities and more.

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.

REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	10/22/2024

HAL-SPSM-.75KW-12V-1000AH

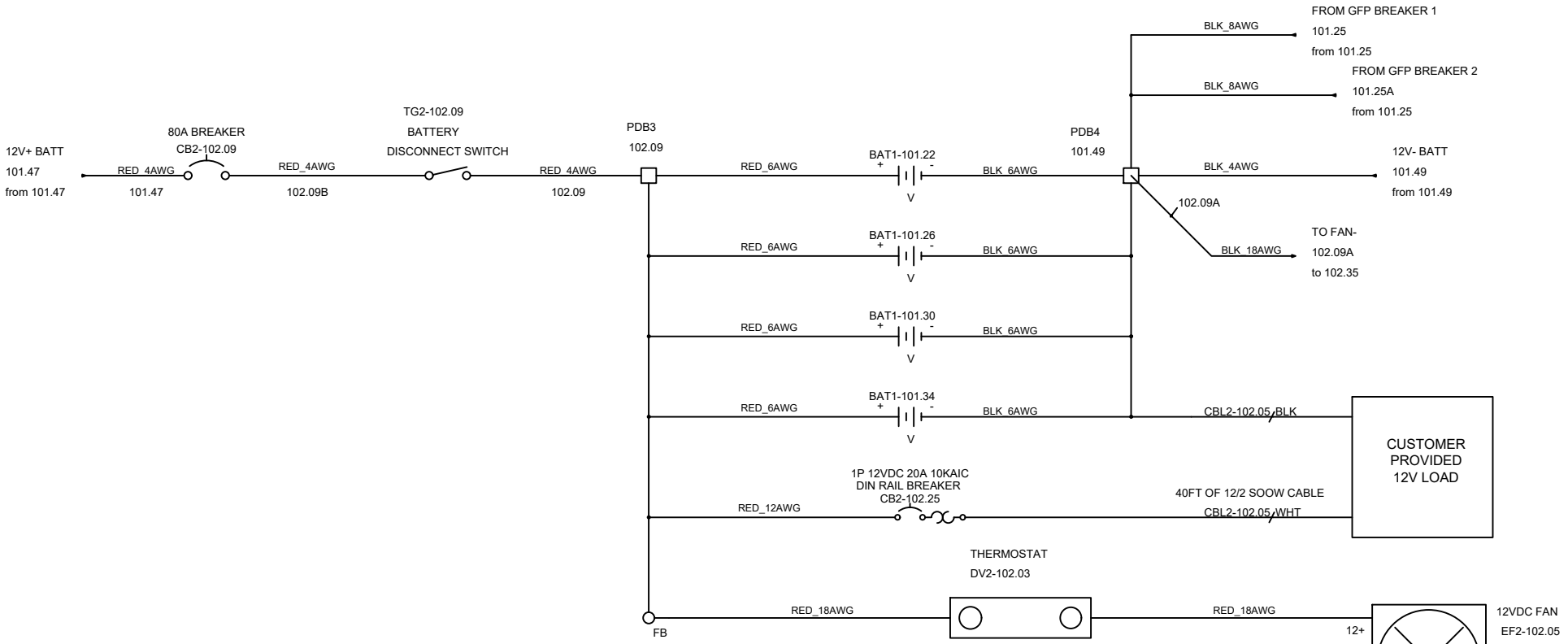
LARSON ELECTRONICS®



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KEMP, TX 75143

TITLE: HAL-SPSM-.75KW-12V-1000AH

DRAWN BY	DATE	REV
S.Desai	12-21-2024	A
CHECKED BY	SHEET #	DRAWING #
J.Maldonado	1 OF 2	101



TAGS	QTY	CATALOG	DESCRIPTION
CB2-102.25	1	UNV00017491	1P 125V 20A 10KA UL489 DIN RAIL MOUNT BREAKER
CB2-102.09	1	UNV00018054	MRCB 80A 12-48V BREAKER
CB1-101.18 CB1-101.18B	2	UNV00021365	2P 120/240V 15A 10KAIC UL489 DIN RAIL MOUNT BREAKER
CB1-101.30 CB1-101.30B	2	UNV00021370	150VDC 63A 10KAIC DIN RAIL BREAKER DC GROUND BAR PROTECTOR
DV2-102.03	1	UNV00009886	10A ADJUSTIBLE THERMOSTAT
EF2-102.05	1	UNV00015879	12V 80W 1400CFM COOLING FAN
RM21-101.23	1	UNV00001332	TRISTAR CHARGE CONTROL REMOTE DIGITAL METER 600v
PW2-102.49	1	UNV00006003	TRISTAR MPPT SOLAR CHARGE CONTROLLER 60 AMP UP TO 150 VOC INPUT, 12-48 VOLTS. 12V-800 WATTS 24V-1600 WATTS 48V-3200 WATTS
PE1-101.06 PE1-101.06A PE1-101.06B PE1-101.06C	4	UNV00017188	190/200W SOLAR PANEL C1D2 IP65
TG2-102.09	1	UNV00014267	200A DISCONNECT SWITCH
GND BAR	1	UNV00013942C	GROUND BAR KIT
FB	1	UNV00013991	FUSE TERMINAL BLOCK 20-6AWG 30A
PDB1 PDB2	2	UNV00015084	POWER DISTRIBUTION BLOCK 175 A 600V 1-4 OPENING
TB1	2	UNV00016633	POWER DISTRIBUTION BLOCK 380A 1-6 OPENING
CBL2-102.05	1	UNV00016497	12/2 SOOW CABLE

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Frequently Asked Questions (FAQ)