



Hali-Brite® SPS Solar Power Supply



Applications:

The Solar Power Supply (SPS) is a self-contained photovoltaic power source for the Hali-Brite® L-806 and L-807 Wind Cones.


Features:




- Provides power to Hali-Brite® ETL-certified wind cones with L-810 obstruction lights (12 VDC LED models)
- Custom designed for the installation site, using 30-year worst case insolation and temperature extremes
- Operates the wind cone lamp dusk-dawn, controlled by an ETL-certified photocell, to FAA illumination requirements
- Full wind cone lamp intensity at all times when operating
- 50 or 135 watt solar panel, with 12-year/90% and 25-year/80% power warranty
- MPPT charge controller, with custom-programmed temperature compensation
- On-board indicators for battery, charging and system status
- 100 to 300 A-H AGM battery, designed for 4000 charge/discharge cycles
- 10 day nominal battery autonomy
- Dual-post mount, with frangible couplings, designed to withstand ASCE Exposure C wind loads
- Temperature range: -45 to +55 °C (-49 to +131 °F)
- Includes pre-assembled anchor for easy mounting
- Weather and corrosion resistant construction of powder-coated steel and aluminum
- Solar panel tilts 25-65 degrees in 10 degree steps, factory preset for the installation location
- Manufactured in the USA

Sales and Technical Support:

1.800.553.6269

Sales@halibrite.com

 Hali-Brite, Inc.
1119 Madison Street
Brainerd, MN 56401

 www.halibrite.com
 Ph: 218.454.0956
 Fax: 218.454.0972



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Ordering Information

The SPS is designed for operation only with Hali-Brite® Wind Cones. Each SPS is custom configured for the proper solar panel, battery, temperature compensation and height for the installation location. Please contact Hali-Brite to configure the correct model for your location.

Installation Information

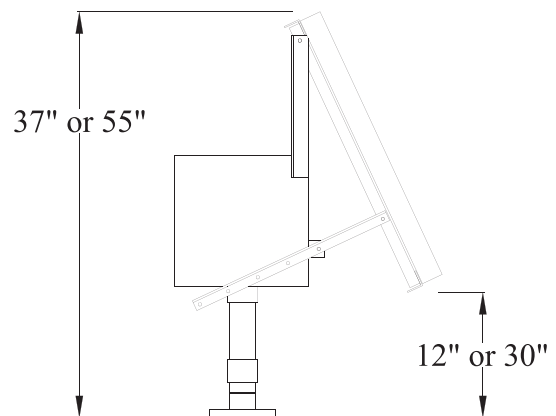
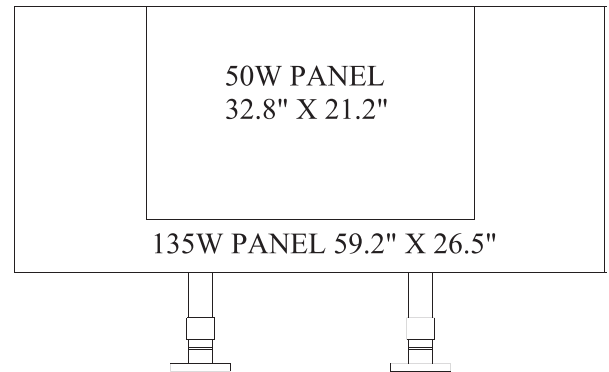
Full solar exposure is critical to the proper operation of the SPS. The solar panel must face due South (in the Northern Hemisphere). Any shading of the solar panel will significantly reduce the energy production. The bottom edge of the solar panel must not be obstructed by snow or vegetation. To prevent shading from the wind sock, the SPS must be installed at least 8 feet from an L-806 wind cone, and at least 12 feet from an L-807 Size 2 wind cone. The SPS is attached to a 4-bolt anchor assembly (included), mounted in a concrete slab. Power is supplied to the wind cone by a cable in liquid-tight conduit through one of the SPS mounting legs.

Replacement Parts

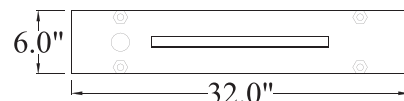
Part Number	Description
7800-0004	Solar Panel, 50 watt
7800-0005	Solar Panel, 135 watt
1300-0081	Battery, PVX-840T
4500-0020	Charge Controller
7800-0006	Photocell
1800-0036	Frangible Coupling
2300-0024	Fuse, 10A 32V

Shipping Information

Unpackaged Weight : 186-268 pounds
 Shipping Weight : 266-388 pounds
 Shipping Volume : 72"L x 48"W x 44"H



Anchor Assembly Top View



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