

## Dual Power over Ethernet Splitter/Injector (PSI)

Solis Energy's Dual PoE Splitter/Injector allows you to provide DC power to two different outdoor PoE-equipped devices, including wireless access points and bridges, IP cameras and radios regardless of input voltage required. Specifically designed for pole-top applications, the PSI can also be used to separate the power from the PoE input for devices that aren't PoE-ready.

Now you can easily run multiple devices simultaneously, such as a surveillance camera and radio, without the expense and difficulty of installing an AC outlet or PoE injector for each device. Power may be from any standard DC power source, or use with Solis Energy's Solar Generators or Outdoor UPS's. The PSI features universal cable glands for easy, field installation. RoHS compliant.



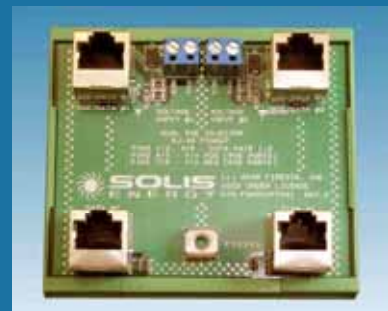
**Complete Pole-top System**

## Flexibility to fit your specific requirements.

- **Flexible.**
  - **Use as an Injector** to simultaneously power multiple PoE devices with different voltage requirements, for example, a 48v radio and a 24v camera.
  - **Use as a Splitter** to separate power from the PoE data interface to run a non-PoE device, such as an analog camera.
- **Superior system optimization.** This PSI saves you time and money by eliminating the need to purchase and install a separate PoE Splitter/Injector for each electronic device in your application. The small form factor reduces the impact to valuable enclosure space and the DIN rail housing greatly reduces installation complexity.
- **Enhanced protection of your equipment:** Unique design utilizes high speed surge protection to individually clamp the data lines at  $\pm 15$  vDC and the power lines at  $\pm 58$  vDC. Power is supplied to the design via two terminal blocks that can accept 14-26 AWG wire. LEDs provide a quick indication for the presence of PoE power to the end user and shielded RJ45 jacks minimize EMI issues.
- **Low maintenance.** This passive device can be mounted at the top of a pole and does not require maintenance.
- **Universal.** The design is compatible with any equipment supporting the IEEE standard pinout for PoE devices (Vin +: Pins 4 and 5, Vin -: Pins 7 and 8) and supports up to 60 volts per PoE-enabled device.
- **Rugged and reliable enclosure.** NEMA 4X, UV-protected fiberglass enclosure Designed for pole-top mounting.
- **State of the art components for the harshest of environments.** Ideal for outdoor use in areas with extreme temperature variations (-4 - 158°F, -20 - 70°C).

## Sub-assembly Option

For OEM installation or as an add-on to an existing device, Solis Energy offers the same Dual PoE Splitter/Injector (PSI) as a component. Engineered for fast, easy installation – mounts easily in an existing enclosure, either on DIN rail or an inside surface.



# Solis Energy's Dual PoE Splitter/Injector (PSI) Specifications:

## ELECTRICAL

Data Connectors	( 4 ) Shielded RJ45 Jacks	
Power Connectors	( 2 ) Position Terminal Blocks ( 14 - 26 AWG )	
Ground Lug	8 - 32 UNC Screw Terminal	
Data Lines	Pair 1: Pins 1 / 2	Pair 2: 3 / 6
PoE Power Pinout	pos vDC: Pins 4 / 5	neg vDC: Pins 7 / 8
Operating Temperature	( - 4 - 158° F )	( - 20 - 70° C )
Maximum Current	1.5 Amp	
RoHS Compliant	Yes	

## MECHANICAL

Overall Dimensions	3.6 x 3.3 x 1.7 ( inches )	91.4 x 83.8 x 43.2 ( mm )
Mounting	High Temperature Polyamide DIN Rail Support ( UL 94 V - 0 )	



*Smart solutions for continuous outdoor power.*