



GOLDEN STATE INSTRUMENT CO.



GS-SLP-POE POE / Solar Charge Controller



POE/Solar charge controllers have dual inputs to charge batteries from a POE source and also a secondary source like solar panels in order to provide redundancy and insure 100% uptime for critical applications. The solar panel input takes priority so that when the sun is shining the grid power usage is minimized. They have a built in POE inserter with DC to DC converter that delivers 12V, 18V, 24V or 48V at the POE port. They have full electronic protections for short circuit, reverse current, overvoltage, overcharge and over discharge.

They have five LED indicators to give a quick visual status if current is being supplied by a POE source or solar panel, if battery is charging, If load output is turned on and a warning if battery is connected with reverse polarity. Solar and Battery Connections are via 4 screw terminals for wire size up to 12AWG. POE Input and Output is via 2 RJ45 shielded connectors. There is a secondary output connector on the back with 5 screw terminals for connecting other electronics to the controller using up to 12AWG wire. This secondary output is equal to the battery voltage. The controllers are externally fused with a standard replaceable fuse.

Features:

- Dual Input – Charges Batteries from Solar Panel and / or POE
- Built in DC to DC converter with various POE output voltages available: 12V, 18V, 24V, 48V
- Compact and high temperature operation
- Very low self-consumption <10mA

Applications:

- Remote Power Systems
- Base Systems
- UPS Systems

Specifications:

Solar Input Voltage	12V-36Vmax @ 8A max (up to 135W 12V or 270W 24V solar panel)
POE Input Voltage	18V – 57Vmax @ 2.6A max
Battery Voltage	12V
POE Output	11V to 15V @ 1A
Secondary Output	11V to 15V @ 1.5A max
Maintenance Voltage	13.8 +/- 0.3V
Overcharge Protection	14.4 +/- 0.3V
Over Discharge Voltage	Output OFF: 11.0 +/- 0.3V Output On: 12.0 +/- 0.3V
Self-Consumption	<0.5W
Max Wire Size	12 WG
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Dimensions and Weight	159 x 118 x 40mm 312g

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