



# SOLAR POWERED TRANSFORMER RECTIFIER



50 YEARS PROVEN EXPERIENCE IN CATHODIC PROTECTION



# SOLAR POWERED TRANSFORMER RECTIFIER

## DATA SHEET

Solar energy is the most abundant energy source on earth, and can be used to produce other renewable energy sources. This solar powered rectifier, also referred to as photovoltaic transformer, is powered by a DC battery bank with a controlled automatic output voltage. The battery bank charges during daylight hours by poly-crystalline solar panels. Our rectifier is built and controlled by the latest logic controller with the ability to do precise control.

It is designed for remote areas with no power access. It can be applied for the cathodic protection of gas/oil pipelines, storage tanks, ocean freighters, etc.

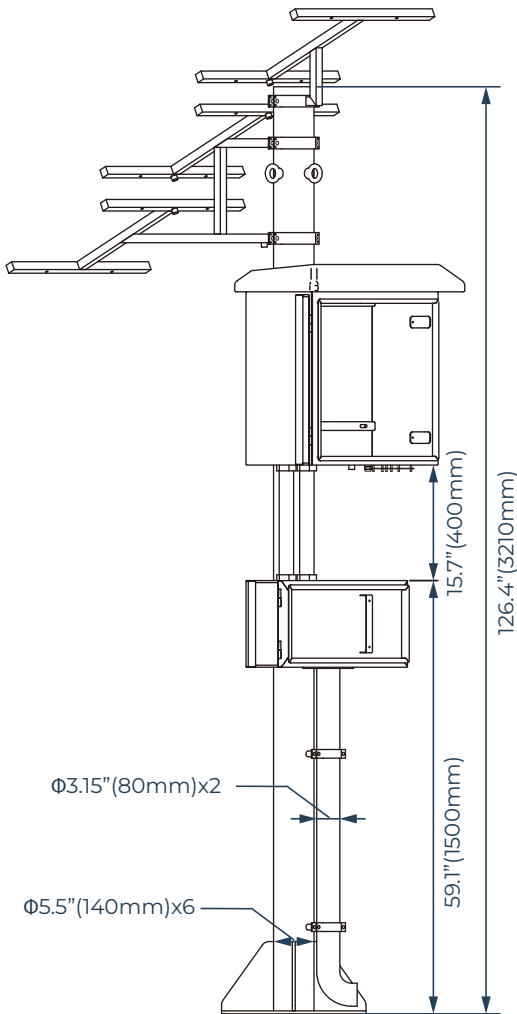


### Functions

- Rectifier Module: DC-DC
- Mode Switch: Auto / Manual(25-step outputs)
- Surge Protection
- Lightning Protection (optional)
- Sun Protection (optional)
- LED Digital Display (optional)
- Data Remote Transmission and Control (optional)
- GPS Synchronization Current Interrupter (optional)

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### Technical Measurement

- Power Input: DC 36V $\pm$ 2%
- DC Output: 30V, 5A
- Insulation Resistance: >10m $\Omega$
- Control Range: -3V ~ 3V
- Control Accuracy: 10mV
- Noise: <80 dB
- IP Level: IP44 / IP66

### Working Environment

- Temperature: 15°C ~ 50°C
- Humidity: 15% ~ 90% RH
- Air Pressure: 86kPa ~ 106kPa
- Lifetime: 30 yrs.





## Worldwide Service Network

Our worldwide network of sales and service centers can provide immediate advice and assistance on the complete range of products.

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