



## Dual-Power transformer rectifier mod. TES

Elegant galvanized and painted steel structure for installation in urban environments, designed for power from a solar panel and the Enel grid.

Equipped with:

- Battery housing and safety enclosure for the Enel meter
- Differential protection switch
- Digital instrumentation
- Integrated battery charge controller
- Overall dimensions: 1820 x 430 x 340 mm (H x W x D)

### Technical Specifications

#### Power from Solar Panel:

- Maximum output current: 150 mA
- Maximum output voltage: 12 Vdc
- Automatic battery charge level regulation
- Automatic disconnection of the power supply section in case of excessive battery discharge to preserve their lifespan and functionality
- Constant current or constant cathodic potential operating mode
- Continuous regulation from 0 to the maximum rating, via 10-turn potentiometers, of the output current, output voltage, and cathodic potential parameters.
- Digital instrumentation can be activated via auxiliary switches for direct reading of the following parameters: output current, output voltage, cathodic potential
- Test points for measuring voltage, current, and cathodic potential values with external instruments.
- Terminal block for connecting cables from the field: Anode, Structure, Reference Electrode

#### Power from 220Vac Grid:

- Maximum output current: 12.0 A
- Maximum output voltage: 50 Vdc
- Automatic battery charge level regulation
- Constant current or constant cathodic potential operating mode
- Continuous regulation from 0 to the maximum rating, via 10-turn potentiometers, of the output current, output voltage, and cathodic potential parameters.





- Digital instrumentation can be activated via auxiliary switches for direct reading of the following parameters: output current, output voltage, cathodic potential
- Test points for measuring voltage, current, and cathodic potential values with external instruments.
- Terminal block for connecting cables from the field: Anode, Structure, Reference Electrode
- 30mA automatic differential safety switch for grid power isolation.
- Protected auxiliary service outlet 230 Vac – 50 Hz

**Operating Characteristics:**

- Maximum Current Regulation
- Maximum Voltage Regulation
- Cathodic Potential Regulation
- Constant current or constant potential difference (ddp) operating mode, automatic operation