



10I-20I-30I Series

The Solar Controller is designed with a microcontroller for automatic lighting control functions. Proven reliability Precise lighting controller PWM battery charging Microcontroller digital accuracy Fully automatic operation 16 field adjustable lighting control options Manual test capability Detects day and night using the PV array Suitable for all 12V /24V lamps Suitable for Seal lead acid battery Temperature compensation

Features:

- Microcontroller digital accuracy
- PWM Charge mode
- State of charge (SOC)
- Temperature compensation with external temperature sensor
- Detects day and night using the PV array
- Big terminals and big distance between terminals

Functions:

- Short circuit protection
- Reverse polarity protection
- Reverse current protection at night
- Over charging or discharging protection
- Over load protection

Data Sheet:

- I series: 12 VOLT or 12/24 VOLT auto work,
- Equalization voltage: 14.8 Volt
- Boost voltage: 14.4 Volt
- Float voltage: 13.6 Volt
- Low voltage disconnect (LVD) 11.10 Volt
- Low voltages reconnect (LVR): 12.6 Volt
- Temperature compensation: -30mv/degree/12V
- Self-consumption: 6mA maximum
- Terminals: for wire sizes to 2.5mm²
- Temperature: -35degree to +55degree

