



SOLAR CHARGE CONTROLLER 12V 10A(PWM)

E-Sharp Solar Solution Pvt. Ltd.

Application

- Solar Street Light System
- Solar Home Light System
- Solar Hybrid System
- Mobile Charging
- Roof top Solar Solution
- Off-Grid Solar System
- Solar Portable Lights





Key Features

- Micro- controller based zero-drop PWM charging
- Three Stage charging algorithm
- Optional Dusk-Dawn based load connect/disconnect.
- Battery Low, Battery high, reverse polarity, reverse flow protections.
- <2 ma idle current (as per MNRE latest spec.)
- Battery Status display
- USB port for mobile charging

Technical specification



| Parameter | Value |
|--------------------------|-----------------------------------------------------------------------------|
| System Specification | 12V 10A |
| Recommended SPV | 12V |
| Recommended Battery Bank | 12V X 1 Nos. |
| Load Current | <10Amps. |
| Low Battery | 11.0V \pm 0.2 V |
| Charging Cutoff | 14.4V \pm 0.2 V |
| Trickle Charging | 13.2V \pm 0.2 V |
| Load Reconnect | 12.5V \pm 0.2 V |
| Indications | |
| Low Battery | Red LED – Continuous |
| Boost Charging | Green LED – Blink Fast |
| Trickle Charging | Green LED - Blink slow |
| Battery Status | RED LED – 100% - 3 LEDs RED LED - 75% - 2 LEDs RED LED - 50% - 1 LEDs |
| Mobile Charging | USB port type |



Thanks & Regards,
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