

SOLAR CHARGE CONTROLLER 12V 6A(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

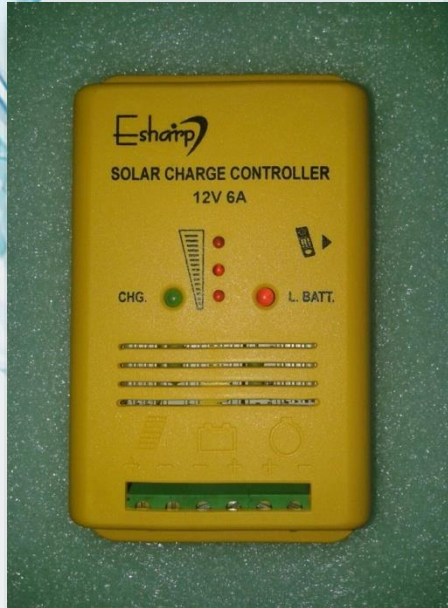




Key Features

- 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 6A
Recommended SPV	12V
Recommended Battery Bank	12V X 1 Nos.
Load Current	<6Amps.
Low Battery	11.0V ± 0.2 V
Charging Cutoff	14.4V ± 0.2 V
Trickle Charging	13.2V ± 0.2 V
Load Reconnect	12.5V ± 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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