Street Light Solar Controller Model :EPRC-G

EPRC10-G

SOLAR CONTROLLER FOR SOLAR STREET LIGHT SYSTEMS

The controller provides the load power from solar or utility electricity, solar power supply first, and electricity feed will be the supplement of system when the battery discharged

Features

Microcontroller digital accuracy
PWM Charge mode
State of charge (SOC)
Specially designed for solar/utility hybrid system
Battery backup supply power first
Temperature compensation
Automatic detection of the voltage & full automatic operation
The terminal connected to ground designed

Electronic protection

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

LED indicator

4 LED indicators
PV: Green –charging
Battery: Green-Yellow-Red
Load: Red –output on
Red flashing& blinking shows mistakes
The forth LED shows timers

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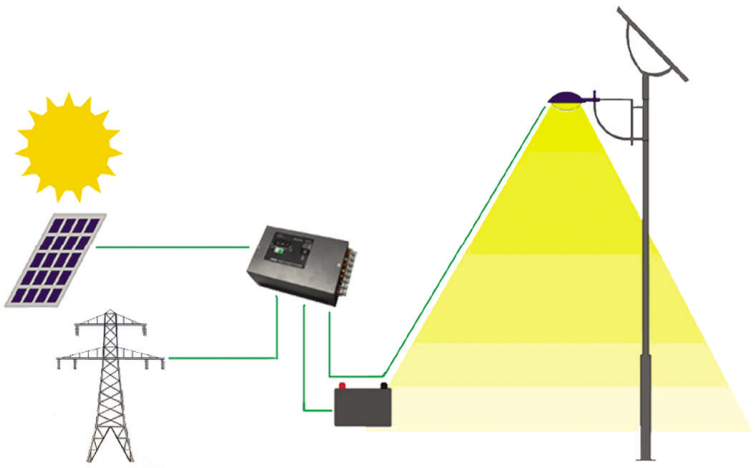
Application



Technical specification

EPRC10-G: 12 or 12/24 VOLT auto
Rated current: 10A, 15A, 20A
Load option: 60W, 100W, 200W, 400W for DC load
Uti lity electricity: 110V AC 60HZ, 220VAC 50HZ

Equalization voltage:	14.8 Volt
Boost voltage:	14.4 Volt
Float voltage:	13.6 Volt
Low voltage disconnect (LVD)	11.1 Volt
Low voltages reconnect (LVR):	12.6Volt
Temperature compensation:	-30mv/℃/12V
Self-consumption:	6mA maximum
Terminals:	for wire sizes to 6mm2
Temperature:	-35℃ to +55℃

Notes: It is for 12V system. Please X2 for 24V system.