



EPRC10-EC

SOLAR CONTROLLER FOR SOLAR STREET LIGHT SYSTEMS

EPRC series combines SHS design with a microcontroller for automatic lighting control function. Good for street and pathway lighting, parking area, bus station and signage and etc.

Features

- Microcontroller digital accuracy
- PWM Charge mode
- State of charge (SOC)
- Detects day and night using the PV arrays, timer setting
- Internal temperature compensation
- Automatic detection of the voltage

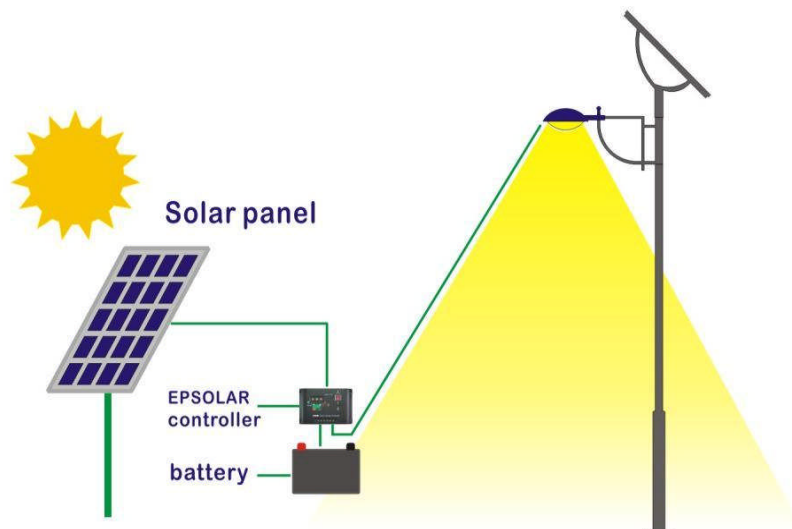
Electronic protection

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

Display

- 4 LED indicators
- PV: Green –charging
- Battery: Green-Yellow-Red
- Load: Red –output on
- Red slow flashing & blink shows mistakes
- LED display timers

Application



Technical specification

EPRC10-EC series: 12 VOLT or 12/24 VOLT auto work, 10 AMPS (for PV and load)

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/°C/12V
Self-consumption:	6mA maximum
Terminals:	for wire sizes to 2.5mm ²
Temperature:	-35°C to +55°C

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