



## EPRC10-ST-MT

### *SOLAR CONTROLLER FOR SOLAR STREET LIGHT SYSTEM*

EPRC10-ST-MT series is added more timers based on EPRC10-ST, It can realize ON/OFF/ON timer setting. 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)
- Temperature compensation
- Automatic detection of the voltage
- External temperature sensor
- Big terminals and big distance between terminals
- Double digital LED display, numbers equal to timer setting
- Two timers setting ON/OFF/ON

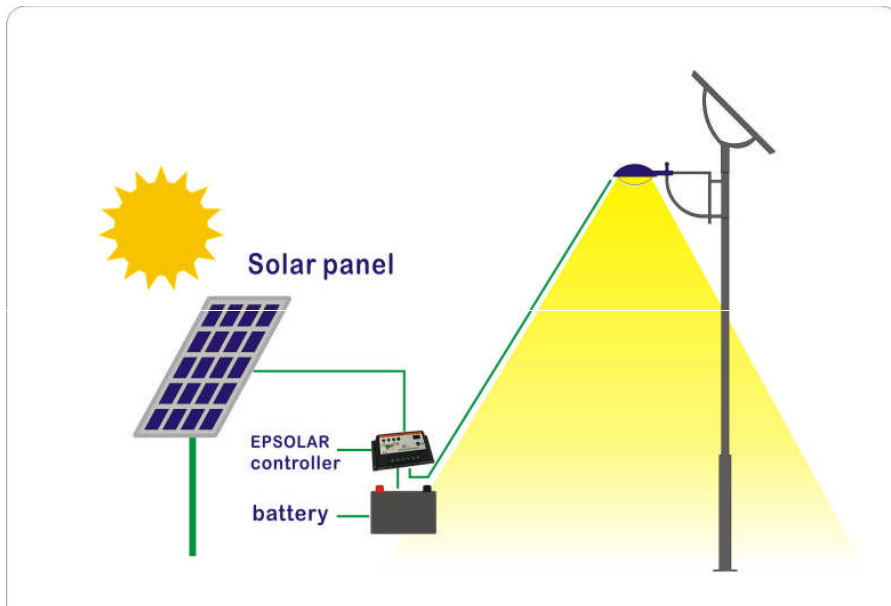
#### **Electronic protection**

- 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& blinking shows mistakes
- The fourth double LED shows timers

## Application



## Technical specification

**EPRC10-ST-MT 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):	12.6Volt
Temperature compensation:	-30mv/°C/12V
Self-consumption:	6mA maximum
Terminals:	for wire sizes to 6mm <sup>2</sup>
Temperature:	-35°C to +55°C

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