



EPRC-MF

SOLAR CONTROLLER FOR SOLAR STREET LIGHT SYSTEM

The MF series controller provides automatic lighting control function, and its 100% water-proof, ensure longer lifetime. Good for humidity area, such as outside pathway lighting, parking area, bus station, boat, etc.

Features

- Microcontroller digital accuracy
- PWM Charge mode
- State of charge (SOC)
- Temperature compensation with external temperature sensor
- Detects day and night using the PV array
- Water proof, IP66
- LOAD ON TIME SETTING, DELAY TIME SETTING and BATTERY TYPE SETTING

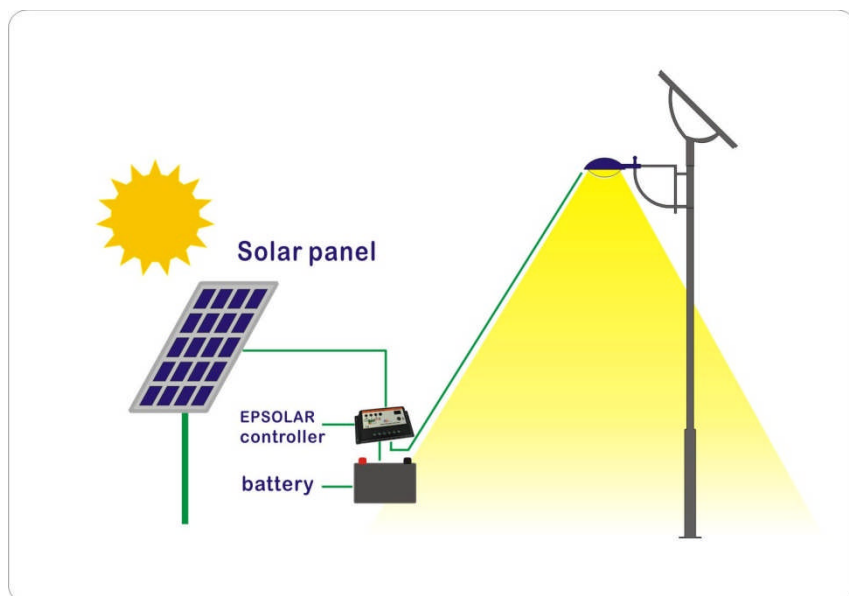
Electronic protection

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

Display

- Charging indicator
- Error icon
- Load on time
- Delay time
- Battery type
- Timer display

Application



Technical specification

EPRC-MF 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 ²
Temperature:	-35°C to +55°C

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