



EPIP20-2L

SOLAR CONTROLLER FOR SOLAR STREET LIGHT SYSTEMS

EPIP20-2L is the first generation for solar street light system, which provides automatic lighting control function. It can be connected with two loads at the same time. 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 & full automatic operation
- External temperature sensor
- Big terminals and big distance between terminals

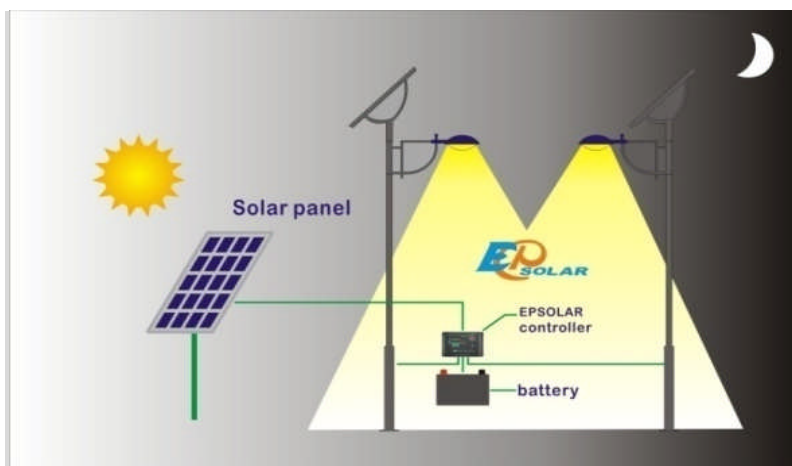
Electronic protection

- 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 flashing& blinking shows mistakes
- The forth LED shows timers

Application



Technical specification

EPIP20-2L series: 12 VOLT or 12/24 VOLT auto work, 15 AMPS (for PV and load)
12 VOLT or 12/24 VOLT auto work, 20 AMPS (for PV and load)

| | |
|-------------------------------|------------------------------------|
| Equalization voltage: | 14.8 Volt |
| Boost voltage: | 14.4 Volt |
| Float voltage: | 13.6 Volt |
| Low voltage disconnect (LVD) | 11.1 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.