



## EPHC10-EC

### SOLAR CONTROLLER FOR SOLAR HOME SYSTEMS

EPHC series is a reliable and economical solar controller. It is ideal for small solar home system or rural electrification PV system.

#### Features

- Microcontroller digital accuracy
- PWM Charge mode
- State of charge (SOC)
- Temperature compensation
- Automatic detection of the voltage

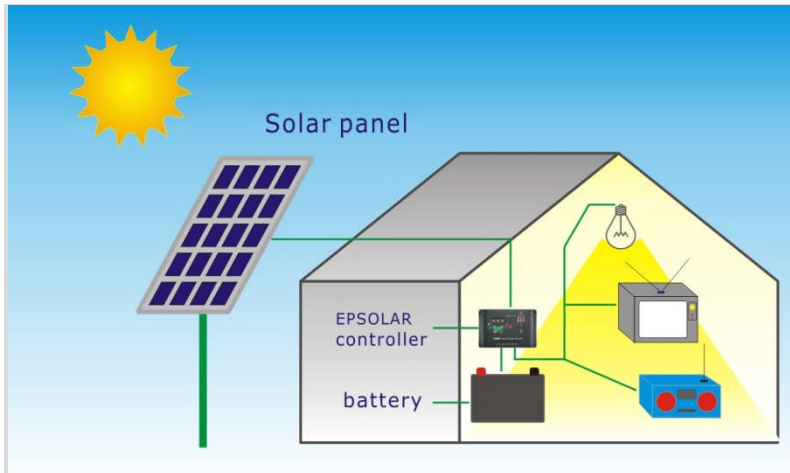
#### Electronic protection

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

#### Display

- 3 LED indicators
- PV: Green –charging
- Battery: Green-Yellow-Red
- Load: Red -low voltage warning and disconnect
- LED blinking shows mistakes

## Application



## Technical specification

EPHC10-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):	13.1Volt
Temperature compensation:	-30mv/°C/12V
Self-consumption:	6mA maximum
Terminals:	for wire sizes to 2.5mm <sup>2</sup>
Temperature:	-35°C to +55°C

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