



## EPC10

### SOLAR SYSTEM CONTROLLER

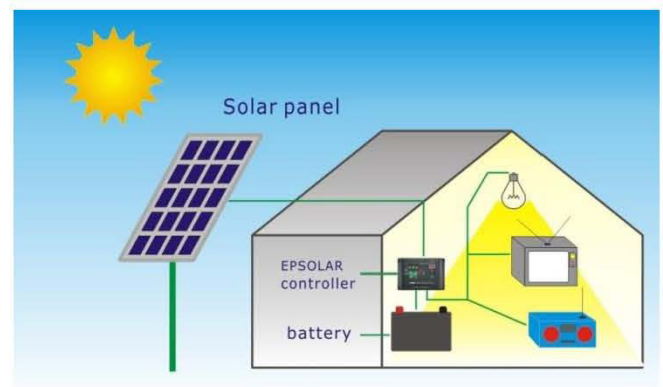
Rated Current: 10A

System Voltage: 12/24V Auto Work

Load work mode: ON/OFF

EPC10-EC series is a reliable and economical solar controller.

- Intelligent System Optimum Control
- 12/24V auto work
- High efficient Series PWM charging with temperature compensation
- Use MOSFET as electronic switch, without any mechanical switch
- Load and battery status indicators
- Electronic protection: over charging, over discharging, overload, and short circuit



### Electrical parameters

System voltage	12 / 24VDC Auto work
Nominal battery current	10A
Charge circuit voltage drop	$\leq 0.26V$
Discharge circuit voltage drop	$\leq 0.15V$
Self consumption	$\leq 6mA$

### Battery voltage parameters (TEMPCO $-30mV/^{\circ}C/12V, 25^{\circ}C$ ref)

Equalize charging voltage	14.8V;x2/24V
Boost charging voltage	14.4V;x2/24V
Float charging voltage	13.7V;x2/24V
Low voltage reconnect charging voltage	13.2V;x2/24V
Under voltage warning voltage	12V; x2/24V
Low voltage disconnect voltage	11.1V;x2/24V
Equalize duration	60 MINS
Boost duration	60 MINS

### Environmental parameters

Working temperature	$-35^{\circ}C$ to $+55^{\circ}C$
Humidity	10%-90% NC
Enclosure	IP30
Terminal	$2.5mm^2$
Net weight	0.15KG

