

EP Series



EPHC10-EC Solar System Controller

Rated Current: 10A, 20A

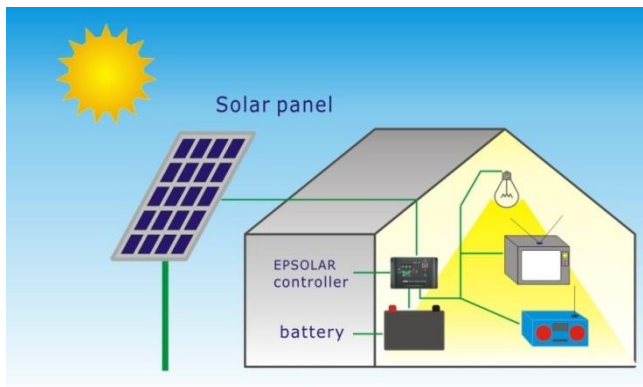
System Voltage: 12/24V Auto Work

Load work mode: ON/OFF

EPHC10-EC series is a reliable and economical solar controller.

Features :

- ◆ 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



Application :

Ideal for off-grid solar system that loads are normally on or controlled by manual

- ★ Solar home system
- ★ Solar CCTV system
- ★ Solar traffic system
- ★ Wild automatic detection equipment etc.



Model selection:

EPHC10-EC 10A, 12/24V AUTO

Ideal for off-grid solar system up to 120W, 12V or 270W,24V

Our Advantage :

- ◆ Sophisticated R&D has over 20 years research experience
- ◆ Professional technical and service team
- ◆ Using world top class electronic components; all the components are industrial grade
- ◆ High quality products with reasonable price; the failure rate is less than 2 per1000 pcs
- ◆ Practical application in more than 120 countries
- ◆ Expected 10 years lifetime
- ◆ 2 years warranty



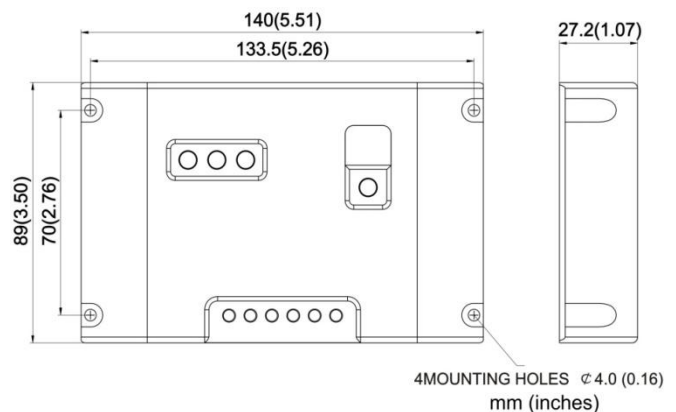
Technical specifications :

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

Battery voltage parameters (TEMPCO -30mV/°C/12V,25°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°C to +55°C
Humidity	10%-90% NC
Enclosure	IP30
Terminal	2.5mm ²
Net weight	0.15KG

Mechanical Dimension EPHC10-EC



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