

# Dual Battery Solar Controller

## EPIPDB-COM series



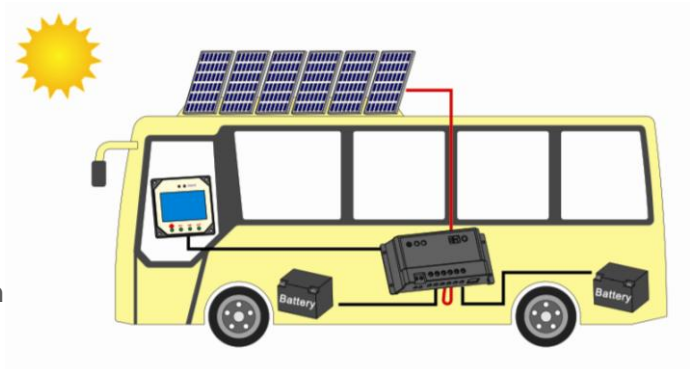
Rated Current: 10A, 20A

System Voltage: 12/24V Auto Work

EPIPDB-COM series can charge two battery banks. No load terminals

### Features :

- ◆ Two battery charging eliminates the extra cost of two separate solar charging system
- ◆ Intelligent System Optimum Control
- ◆ 12/24V auto work
- ◆ Battery type selection
- ◆ Charging frequency optional
- ◆ High efficient Series PWM charging
- ◆ Local external temperature compensation
- ◆ Remote temperature sensor optional
- ◆ Use MOSFET as electronic switch, without any mechanical switch
- ◆ Remote meter MT-1 optional
- ◆ Electronic protection: over charging, short circuit, battery reverse polarity protection



## Application :

- ◆ RVs, Caravans, bus, boats etc.



## Model selection :

### EPIPDB-COM 10A, 12/24V AUTO

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

### EPIPDB-COM 20A, 12/24V AUTO

Ideal for off-grid solar system up to 270W, 12V or 550W,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
Rated current	10A,20A
Charge circuit voltage drop	≤0.26V
Discharge circuit voltage drop	≤0.15V
Self consumption	≤6mA

Battery voltage parameters (temperature at 25°C)			
Battery charging setting	Sealed	Flooded	Gel
Equalize charging voltage	14.4 V;x2/24V	14.6V;x2/24V	14.8V;x2/24V
Boost charging voltage	14.2V;x2/24V	14.4V;x2/24V	14.6V;x2/24V
Float charging voltage	13.7V;x2/24V	13.7V;x2/24V	13.7V;x2/24V
Max. solar voltage	30V(12V system),55V(24V system)		
Battery voltage range	8-15V(12V system),8-30V(24V system)		
Self-consumption	4mA at night, 10mA at charging		
Meterbus connection	8-pin RJ-45		
Temp. compensation	-5mv/°C/2V		

Environmental parameters	
Working temperature	-35°C to +55°C
Humidity	10%-90% NC
Enclosure	IP30
Terminal	4mm <sup>2</sup>
Dimension	153×76×37mm
Net weight	0.24kg



BEIJING EPSOLAR TECHNOLOGY CO.,LTD.  
 Add: BLDG #18, CO.PARK ,NO.8 HEYING  
 ROAD,CHANGPING DISTRICT, BEIJING, CHINA  
 Tel: 010-82894962 / 82894112  
 Fax: 010-82894882  
 E-mail: info@epsolarpv.com