



Dual Battery Solar Controller EPIPDB-COM series



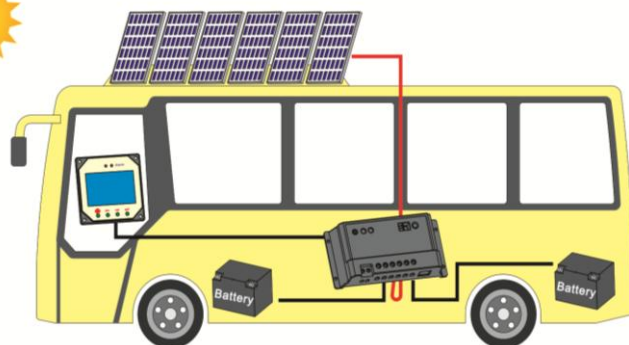
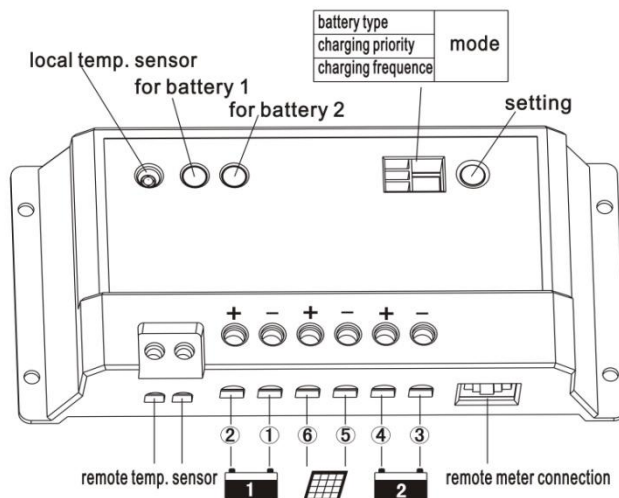
Rated Current: 10A, 20A

System Voltage: 12/24V Auto Work

Device charge two battery banks. No load terminals

Features

- ◆ Duo 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 ar mechanical switch
- ◆ Remote meter MT-1 optional
- ◆ Electronic protection: over charging, short circuit, battery reverse polarity protection



Application

RVs, Caravans, bus, boats etc.



Technical specifications

Electrical parameters

System voltage	12 / 24VDC Auto work
Rated current	10A,20A
Charge circuit voltage drop	$\leq 0.26V$
Discharge circuit voltage drop	$\leq 0.15V$
Self consumption	$\leq 6mA$

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 ²
Dimension	153 × 76 × 37mm
Net weight	0.24kg

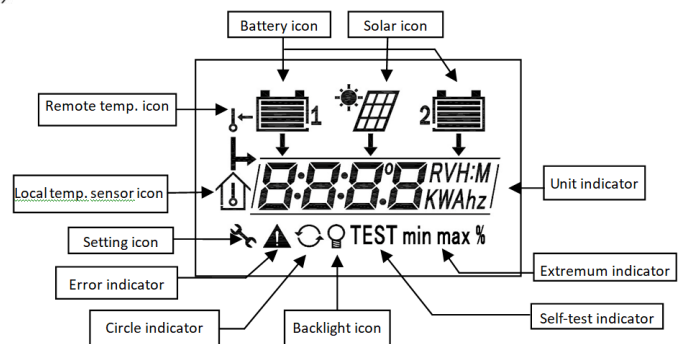
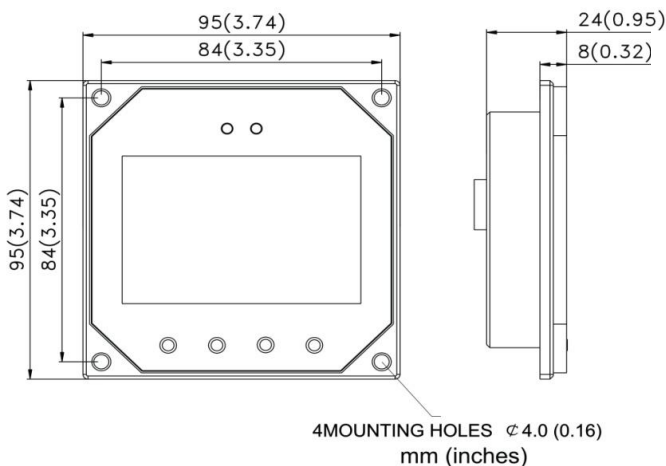
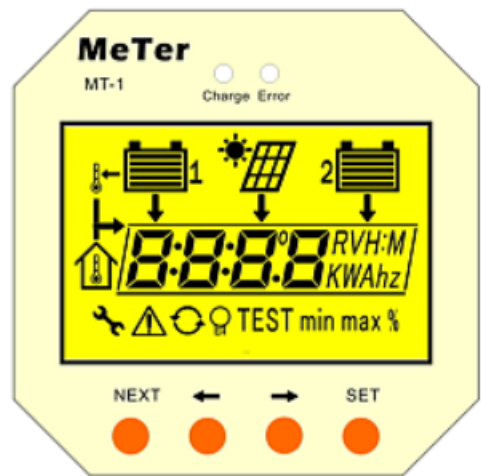
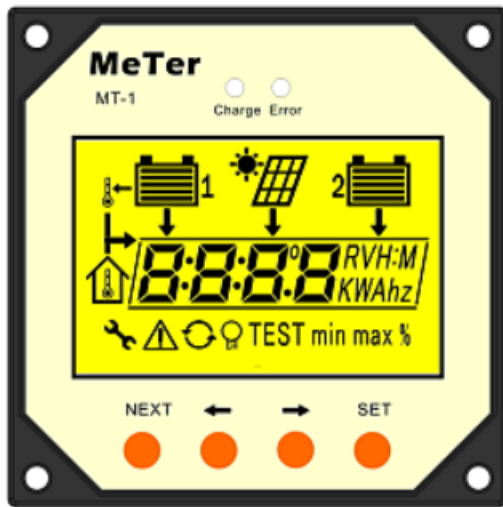
Optional Remote Meter MT-1



MT-1 is an optional remote meter to monitor and program Duo battery solar controller,

Compatible with:

EPIPDB-COM 10A /20A Controller



All specific cations and information are given with good intent, errors are possible and products may be subject to change without notice. Pictures may differ from actual products depending on local market re-quirements and regulations. A solar power system consists of a controller, inverter and load end. Multiple controllers/inverters are shown to represent the wide range that HES has.