

MPPT Solar Charge Controller

----with built in LED Driver



It combines solar charge controller and constant current LED driver into one unit which is ideal for solar LED Lighting, especially when dimmer function is needed. The control parameter can be programmed via Mobile APP, Remote Meter and SPP-01.



Models :

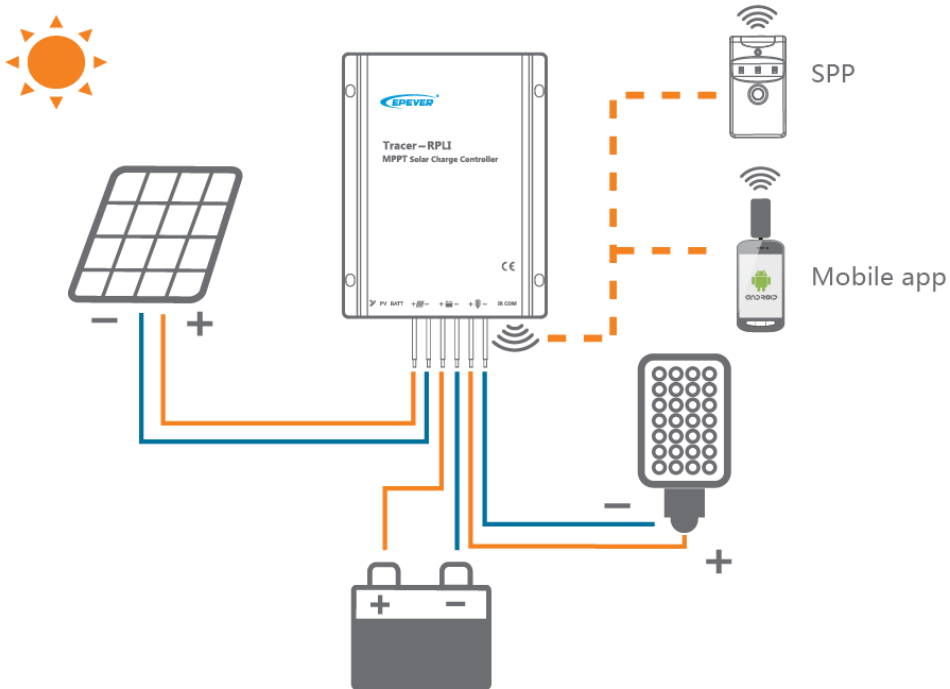
- Tracer1306RPLI 130W, 12/24V auto work
- Tracer2006RPLI 200W, 12/24V auto work
- Tracer2010RPLI 200W, 12/24V auto work
- Tracer4010RPLI 400W, 12/24V auto work

Features :

- MPPT technology
- Peak conversion efficiency of 98 %
- high Tracking efficiency of 99%
- Parameter setting via Mobile APP, Remote Meter and SPP-01 with IR function
- Maximum output efficiency of 96%
- Dimming function
- Control accuracy are better within $\pm 2\%$
- Temperature compensation
- Widely used, automatic recognize day/night
- Fully encapsulated PCB, IP68 protection
- Aluminum housing for better cooling

Electronic protections:

- PV reverse polarity protection
- Battery overcharge protection
- Battery overheating protection
- Load short circuit protection
- PV short circuit protection
- Battery over discharge protection
- Battery reverse polarity protection
- Damaged local temperature sensor



Setting Operation:

There are two methods that can modify load mode and control parameter through infrared interface:

1. Super Parameter Programmer, SPP-01
This method can realize one-key setting operation which is suitable for bulk quantity products setting or applied in the projects.
2. Ir-Android-Micro is inserted in the phone

Load Set:

- Manual Control (ON/OFF)
- Light ON/OFF (Default)
- Light ON + Timer
- Time Control

Technical Specifications:

Tracer****RPLI	1306	2006	2010	4010
Nominal system voltage	12/24VDC Auto			
Rated charge current	10A/12V;5A/24V	15A/12V; 7.5A/24V		15A(12V;24V)
Max. PV input voltage	60V	60V	100V	100V
Rated charge power	130W	200W		200W/12V;400W/24V
Battery terminal voltage	9V~32V			
Rated output power	60W	100W		200W
Rated output Current	2.0A	3.3A		6.6A
Output voltage range	$V_{BAT}^*+2V\sim 60V$		$V_{BAT}^*+2V\sim 80V$	
Load open circuit voltage	60V		80V	
Maximum output efficiency	96%			
Control accuracy	<2%			
Communication distance of IrDA	<6m			
Communication angle of IrDA	<15°			
Self-consumption	≤21mA/12V;≤13mA/24V			
Temperature compensation coefficient	-3mV/°C/2V(25°C)			
Working temperature	-35°C ~+55°C			
Enclosure	IP68			
Overall dimension	153x118x29mm	172.3x118x41.5mm		193.3x98.6x45.9mm
Mounting dimension	110x110mm	125x110mm		150x112mm
Mounting hole size	Φ5			
Power cable	PV/BAT 4mm ² LOAD 1mm ²	PV/BAT 6mm ² LOAD 1.5mm ²		PV/BAT 6mm ² LOAD 2.5mm ²
Net weight	0.85kg	1.11kg		1.41kg



BEIJING EPSOLAR TECHNOLOGY CO.,LTD.
 Add: BLDG #18, CO.PARK ,NO.8 HEYING
 ROAD,CHANGPING DISTRICT,BEIJING,CHINA
 Tel: 86-10-82894962 / 82894112
 Fax: 86-10-82894882
 E-mail: info@epsolarpv.com