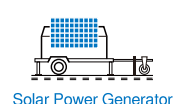
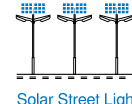


## Overview

Tracer-BPL series MPPT solar charge controller combines solar charge controller and LED constant current driver into one unit. It has multiple load control modes which are ideal for various solar LED Lighting applications, especially when a dimming function is needed. This series adopts the advanced MPPT (Maximum Power Point Tracking) charging methods which will results up to 30% charging efficiency increase compared with the PWM charge controllers. Thanks to the RS485 communication, the Tracer-BPL has the ability to realize remote monitoring via IoT.

## Features

- MPPT charging mode
- LED load dimmer function
- Support lead-acid and lithium-ion batteries
- Lithium battery self-activating function
- Intelligent power derating to ensure 365 days lighting on
- Multiple load control modes
- Extensive electronic protection
- RS485 communication port to realize IOT monitor
- IP67 Ingress protection(1.5 meters, 72h)



## Technical Specifications

	Model	Tracer 2606BPL	Tracer 3906BPL	Tracer 5206BPL	Tracer 2610BPL	Tracer 3910BPL	Tracer 5210BPL
Electrical Parameter	Rated system voltage	12/24VDC/Auto					
	Battery type	Lead-acid (Sealed/Gel/Flooded)/Lithium (LiFePO <sub>4</sub> /Li(NiCoMn)O <sub>2</sub> )/User					
	Battery input voltage range	9 ~ 32VDC					
	Rated charging current	10A	15A	20A	10A	15A	20A
	Rated charging power	130W/12V 260W/24V	200W/12V 400W/24V	260W/12V 520W/24V	130W/12V 260W/24V	200W/12V 400W/24V	260W/12V 520W/24V
	Max. output current	3.3A	4.5A	6.6A	3.3A	4.5A	6.6A
	Max. output power	100W	130W	200W	100W	130W	200W
	Max. PV open-circuit voltage	60V			100V		
	MPPT voltage range	(Batt. V+2V) ~ 36V			(Batt. V+2V) ~ 72V		
	Output voltage range	( Max. Batt. V +2V) ~ 58V			( Max. Batt. V +2V) ~ 80V		
	Output current control accuracy	≤2%					
	Static losses	≤15mA/12V;≤22mA/24V					
Communication method	RS485						
Environmental Parameter	Operating temperature range	-40°C ~ +60°C					
	Temperature compensation ( for lead-acid battery)	-3mV/°C/2V(Default)					
	Ingress protection	IP67					
Mechanical Parameter	Dimensions (LxWxH) (mm)	124×89×30	150×93.5×32.7	153×105×52.1	124×89×30	150×93.5×32.7	153×105×52.1
	Weight (kg)	0.54	0.73	1.18	0.54	0.73	1.18

## Accessories (optional)



EPEVER BLE RJ45 D  
Bluetooth Adapter



EPEVER WiFi 2.4G RJ45 D  
WIFI Serial Server



EPEVER TCP 306  
Serial Device Server



EPEVER-RTU-4G HE01  
Wireless Data Transmission Unit



eLOG01-G3  
Data Logger



CC-USB-RS485-150U-4LLT  
PC Communication cable

- EPEVER can provide many accessories to meet different applications. Please contact sales for more accessories information.