

MPPT Street lighting controller



HES lighting controllers are water proof MPPT type covering Sealed, Gel, and Lithium battery charging. Will be long time using for solar street lighting system.

It is perfect for a variety of lighting applications like solar street lights, advertise boards, traffic etc. User can view and modify the working status and parameters. IP67 allows device installed in humid environments.

Features

- Robust fully protected case (IP67) , outdoor using Aluminum housing for better cooling
- External temperature sensor
- Soft-start enhanced design for a longer LED lifetime
- MPPT Charging
- Small size fits in most applications
- Long lifespan design, five years warranty
- Support Modbus communication protocol for RS485 bus connector

Protections

- | | |
|----------------------|---------------------------------|
| PV over current | PV short circuit |
| PV reverse polarity | Battery reverse polarity |
| Battery over voltage | Battery over discharge |
| Battery overheating | Lithium battery low temperature |
| Load overload | Load Short circuit |



Operation

Programming by remote controller , APP by infrared

Certifications

- Compliant with European Standards (CE)
- RoHS compliant
- Manufactured according to ISO 9001 and ISO 14001



Optional accessories:

eBox-WL433M-01 Wireless collector



SPP-02 Super Parameter Programmer



CC-USB-RS485-150U-22AWG



PC communication cable
Length:1.5m

**eBox-WIFI-01
WIFI Serial Server**



**eBox-BLE-01
Bluetooth adapter uetooth adapter**



**CC-USB-RS485-150U-22AWG
Length:1.5m**



MT50 Remote meter



Tracer3906EPLI-ZSPJ1-V1.10



Fixed Plate (Four)
Size:20×18×6mm
Hole size: Φ3.5mm

OTG-12CM



Specifications

Model	Tracer2606BP	Tracer3906BP	Tracer5206BP	Tracer7810BP
	Tracer2610BP	Tracer3910BP	Tracer5210BP	
Nominal system voltage	12/24VDC auto※			
Rated charge/discharge current	10A	15A	20A	30A
Rated charge power	130W/12V 260W/24V	195W/12V 390W/24V	260W/12V 520W/24V	390W/12V 780W/24V
Max. PV open circuit voltage	Tracer**06BP: 60V at minimum operating environment temperature 46V at 25℃ environment temperature Tracer**10BP:100V at minimum operating environment temperature 92V at 25℃ environment temperature			
MPP voltage range	Tracer**06BP: (Battery voltage+2V)～36V Tracer**10BP: (Battery voltage+2V)～72V			
Battery type	Sealed / Gel / Flooded ; LiFePO4 / Li-NiCoMn / User			
Equalize charging voltage	Sealed:14.6V(12V),29.2V(24V) /Gel: No / Flooded: 14.8V(12V),29.6V(24V); Li-battery: No			
Boost charging voltage	Sealed :14.4V(12V), 28.8V(24V)/ Gel:14.2V(12V), 28.4V(24V)/ Flooded:14.6V(12V), 29.2V(24V)/ LiFePO4:14.6V/ Li-NiCoMn:12.51V / User:9-34V			
Float charging voltage	Sealed/Gel/Flooded:13.8V(12V),27.6V(24V) LiFePO4:14.4V / Li-NiCoMn:12.39V / User:9-34V			
Low voltage reconnect voltage	Sealed/Gel/Flooded:12.6V(12V), 25.2V(24V) LiFePO4:12.0V / Li-NiCoMn:10.8V / User:9-34V			
Low voltage disconnect voltage	Sealed/Gel/Flooded:11.1V(12V),22.2V(24V) LiFePO4:10.6V / Li-NiCoMn:9.3V / User:9-34V			
Self-consumption	≤13mA/12V;≤11.5mA/24V			
Communication	RS485			
Overall dimension	124×89×30mm	150x93.5x32.7mm	153.3x105x52.1mm	
Net weight	0.54kg	0.74kg	1.2kg	1.26kg
Enclosure	IP67			
Working environment temperature	-40℃～+60℃			-40℃～+50℃