

- ※ Thank you for selecting the IR Remote Controller (RC-10), which is compatible with road solar controller. Please read this manual carefully before using the RC-10.
- ※ Do not install this product in humid, salt spray, corrosion, greasy, flammable, explosive, dust accumulative, or other severe environments.

IR Remote Controller——RC-10

1. Overview

The RC-10, an IR remote controller, is compatible with EPEVER solar streetlight controllers. It can program the control parameters and check the working status.

- Setting parameters via IR communication
- Fast and easy parameter setting by one-key
- Compatible with multi-series solar controllers
- Designed with dot-matrix LCD
- Equipped with load test mode

2. Product Features



3. LCD Display

(1) Configuration Interface

Parameters	Setting range
Rated Volt (Rated Voltage)	12V/24V
Rated Curr (Rated Current)	0.10–6.00A, Step size 0.03A
Bat. Type (Battery Type)	MnNiCo+/LiFe+/ Flooded/Gel/Seal

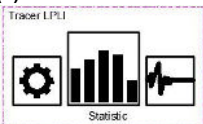
MnNiCo+/LiFe+	Flooded/Gel/Seal	
Intelligent	Intelligent	OFF/ON
Reduce Power Start Voltage★	Reduce Power Start Voltage★	9–17V, Step size 0.1V (12V)
Reduce Power End Voltage★	Reduce Power End Voltage★	18–34V, Step size 0.2V (24V)
Decrease★	Decrease★	0–100%, Step size 1%
Charge Temp★	-----	-40 to 10°C, Step size 1°C
Discharge Temp★	-----	-40 to 10°C, Step size 1°C
OVD (Over Voltage Disconnect Voltage)	OVD (Over Voltage Disconnect Voltage)	9–17V, Step size 0.1V (12V) 18–34V, Step size 0.2V (24V)
CLV (Charging Limit Voltage)★	CLV (Charging Limit Voltage)★	
OVR (Over Voltage Reconnect Voltage)★	OVR (Over Voltage Reconnect Voltage)★	
-----	ECV (Equalize Charging Voltage)★	
BCV (Boost Charging Voltage)	BCV (Boost Charging Voltage)	
-----	FCV (Float Charging Voltage)	
BVR (Boost Voltage Reconnect Voltage)★	BVR (Boost Voltage Reconnect Voltage)★	
LVR (Low Voltage Reconnect Voltage)	LVR (Low Voltage Reconnect Voltage)	
LVD (Low Voltage Disconnect Voltage)	LVD (Low Voltage Disconnect Voltage)	
DLV (Discharging Limit Voltage)★	DLV (Discharging Limit Voltage)★	
Boost Time	Boost Time	0–180M, Step size 10M
-----	EQV.Time (Equalize Time)	
Load Mode		ON/OFF/Mode1/ Mode2/Mode3
ON/OFF	Mode1/2/3	
-----	Time1–6	0–15H, Step size

		1H
Rated Percent	Percent1-6	0-100%, Step size 10%
-----	Alpercent1-6▲	0-100%, Step size 10%
-----	AlholdTime▲	0-250S
-----	Delay Time★	0-60M, Step size 1M
-----	Delay Volt★	0-9V, Step size 1V

★When the user switches the “Basic” over to the “Stand” in the User interface, the Configuration Interface will display these parameters.

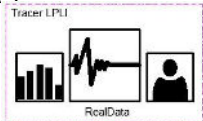
▲When the protocol is selected as “AI0” in the User interface, the Configuration Interface will display these parameters.

(2) Statistic interface



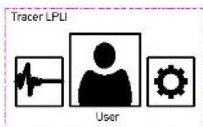
Statistic	Charge Info	Discharge Info
PV MAX	Day	Day
PV MIN	Month	Month
BAT MAX	Year	Year
BAT MIN	Total	Total

(3) Real Data interface



Device Status	Battery Info	PV Info	Load Info
Battery	BatVolt	PV Volt	Load Volt
InCharge	BatCurr	PV Curr	Load Curr
DisCharge	Temp	Power	Power

(4) User interface



User Profile	
Language	ZhPRC/EnUS
User	Basic/Stand
Backlight	0-60S, Step size 10S
Version	1.0/2.0/AI0◆

NOTE: Before using the remote controller, please confirm its software version number (on the table and picking box). Then set the Version accordingly to ensure the controller's parameters can be successful.

“2.0” SV2.22 LS-LPLI series and SV3.20 Tracer-LPLI series solar controller;
 “1.0” SV2.12 LS-LPLI series and SV3.09 Tracer-LPLI series solar controller;
 “AI0” All versions of controller with induction module.

4. Buttons

Buttons		Function
	Esc	Exit the current interface
	Up	Browsing interface: Up/Down Setting interface: Up/Down
	Down	Modify parameter: +/-
	OK	Enter the interface/Enter modify parameters
	Read	Read the model Read real-time data Read configuration parameters
		Press the button, the controller starts reading after a beep, the parameters will be displayed after reading successfully; Three beeps mean reading unsuccessfully.
	Send	Send the set parameters to the controller.®
	Test	Press the button to turn on the load.
	Flashlight	Press the button to turn on the flashlight

①When the controller's charging indicator (orange) and battery indicator (Green) flash twice, the parameters are set successfully.

5. Technical Specifications

Item	RC-10
Applicable Model	Tracer-LPLI series, LS-LPLI series
Battery	Two batteries (size AA)
Power Supply Voltage	3VDC
Communication Distance	≤ 10m
Static Loss	20uA
Sending Consumption	37mA
Backlight Consumption	3mA
LED Consumption (flashlight)	11mA
Operating Temperature	0°C to 45°C
Ingress Protection	IP40
Dimensions (L × W × H)	138mm × 58mm × 21mm
Net Weight	75g

Any changes without prior notice! Version number: V2.2