

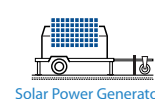
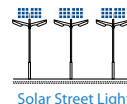
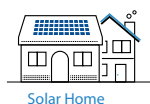
## Overview

IR remote controller is an accessory which is compatible with Tracer LPLI and LS LPLI series solar charge controller. The function is to set the system voltage, battery type, control parameters, working time and current of LED lamp, etc, and view the working status of system and load test function.



## Features

- Setting parameter via IR communication
- One-key parameter sending, one-to-one setting
- Compatible with the road solar controller
- Dot matrix LCD display
- Load test mode, detection system connection timely



## Technical Specifications

| Item                        | RC-10                              |
|-----------------------------|------------------------------------|
| Apply to model              | Tracer LPLI series, LS-LPLI series |
| Battery                     | 2 batteries (size AA)              |
| Power supply voltage        | 3VDC                               |
| Communication distance      | ≤10m                               |
| Self-consumption            | 20uA                               |
| Sending consumption         | 37mA                               |
| Backlight consumption       | 3mA                                |
| LED consumption(flashlight) | 11mA                               |
| Environment temperature     | 0~45℃                              |
| Enclosure                   | IP40                               |
| Overall dimension           | 138 × 58 × 21mm                    |
| Net weight                  | 75g                                |

**★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**

## IR Remote Controller——RC-10

### 1. Overview

IR remote controller is an accessory which is compatible with Tracer LPLI and LS LPLI series solar charge controller. The function is to set the system voltage, battery type, control parameters, working time and current of LED lamp, etc, and view the working status of system and load test function. The main features are:

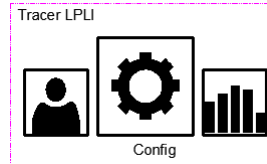
- ◇ Setting parameter via IR communication
- ◇ One-key parameter sending, one-to-one setting
- ◇ Compatible with the road solar controller
- ◇ Dot matrix LCD display
- ◇ Load test mode, detection system connection timely

### 2.Product Features



### 3.LCD Display

#### (1)Configuration Interface



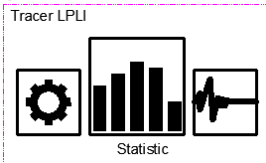
| Parameters      |                 | Setting range                                                 |
|-----------------|-----------------|---------------------------------------------------------------|
| Rated Volt      |                 | 12V/24V                                                       |
| Rated Curr      |                 | 0.10~6.00A, Step length 0.03A                                 |
| Bat. Type       |                 | MnNiCo+/LiFe+/Flooded/Gel/Seal                                |
| MnNiCo+/LiFe+   | Flooded/Gel/Sea |                                                               |
| Intelligent     | Intelligent     | OFF/ON                                                        |
| UVWR★           | UVWR★           | 9-17V, Step length 0.1V(12V)                                  |
| UVW★            | UVW★            | 18-34V, Step length 0.2V(24V)                                 |
| Decrease★       | Decrease★       | 0~100%, Step length 1%                                        |
| Charge Temp★    |                 | -40~10℃, Step length 1℃                                       |
| Discharge Temp★ |                 | -40~10℃, Step length 1℃                                       |
| OVD             | OVD             | 9-17V, Step length 0.1V(12V)<br>18-34V, Step length 0.2V(24V) |
| CLV★            | CLV★            |                                                               |
| OVR★            | OVR★            |                                                               |
|                 | ECV★            |                                                               |
| BCV             | BCV             |                                                               |
|                 | FCV             |                                                               |
| BVR★            | BVR★            |                                                               |
| LVR             | LVR             |                                                               |
| LVD             | LVD             | 0~180M, Step length 10M                                       |
| DLV★            | DLV★            |                                                               |
| Boost Time      | Boost Time      | ON/OFF/Mode1/Mode2/Mode3                                      |
|                 | EQV Time        |                                                               |
| Load Mode       |                 | 0~15H, Step length 1H                                         |
| ON/OFF          | Mode1/2/3       |                                                               |
|                 | Time1-6         | 0~100%, Step length 10%                                       |
| Rated Percent   | Percent1-6      |                                                               |
|                 | Alpercent1-6▲   | 0~250S                                                        |
|                 | AlholdTime▲     |                                                               |

|             |                       |
|-------------|-----------------------|
| Delay Time★ | 0~60M, Step length 1M |
| Delay Volt★ | 0~9V, Step length 1V  |

★when User Switch the "Basic" over to "Stand" under the User interface, the Configuration Interface will display these parameters.

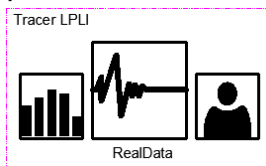
▲When the Version is selected as "A10" in User interface, this setting item will be displayed at the Configuration Interface.

## (2)Statistic interface



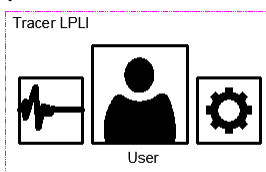
| Statistic | Charge Info | Discharge Info |
|-----------|-------------|----------------|
| PV MAX    | Day         | Day            |
| PV MIN    | Month       | Month          |
| BAT MAX   | Year        | Year           |
| BAT MIN   | Total       | Total          |

## (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 length 10S |
| Version      | 1.0/2.0/A10◆           |

NOTE: Before using the remote controller, please confirm its software version number(on the table and picking box), and then set the Version accordingly, so that the controller's parameters can be successfully.

"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;  
 "A10" All versions of controller with induction module.

## 4. Buttons

| Buttons |            | Function                                                                           |
|---------|------------|------------------------------------------------------------------------------------|
|         | Esc        | Exit the current interface                                                         |
|         | Up         | Browsing interface: Up/Down<br>Setting interface: Up/Down<br>Modify parameter: +/- |
|         | Down       |                                                                                    |
|         | OK         | Enter the interface/Enter modify parameters                                        |
|         | Read       | Read the model<br>Read real-time data<br>Read configuration parameters             |
|         | Send       | Send the set parameters to the controller.①                                        |
|         | 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 for 2 times, it shows that the parameters are set successfully

## 5. Technical Specifications

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Any changes without prior notice! Version number: V1.1