

Instruction of Remote Control



Overview

Edge remote: used for reading and setting parameters. Fit for all types of our solar charge controller. But there are different versions to control different controller mode. Please make sure the remote version before setting parameters. Using 2pcs of 5# battery, infrared communication.

Key Function:

LCD Display:

Display all data.

Power:

Press this button once, LCD start showing data. And Keep pressing 2seconds to turn off.

Up Button:

Press this button once, the cursor moves up, and numbers increase; If modify the data, long press this button, the digital increase rapid.

Sending button:

After setting data, press this button, new data will be sent to the system and LCD display show set successful.

Signal shutdown button:

Make the controller into sleep mode.

Confirm button:

When setting data, press this button will turn up modified shadow, and then enter into modified mode. After finished setting, press again to exit modified mode and modified shadow will disappear.

Test button:

Whether in driving or charging mode, as long as the system is normal, press this button, the controller will be forced to drive LED light.

Down Button:

Press this button once, the cursor moves down, or Numbers decrease; If set the value, long press this button, the digital decrease rapidly.

Return button:

Press once to exit the current interface and turn back to initial interface.

Operation steps:

1. Confirm controller's mode and version


- 1) There are mode No. On interface, MCC10 is the mode No. like picture 3-1.
- 2) There is tag on the top of controller, and version shows besides L/N like picture 3-2 shows, G5 is version of controller.



2. Choose right version in remote

As follows :

1) Turn on the remote.

2) Moving cursor to “local parameter”, press “

Picture:3-3 into “local”




Pic:3-4 choose mode



Pic:3-5 succeed

3. Third: Setting parameter

1) Press “return button” to exit local setting , then press “↑” to move cursor to “SysConfig”, and then press “


2) Moving cursor on related place, then press “

Image 3-6
Choose “SysConfig”



Image 3-7
Enter “Setting”




Image 3-8
Choose parameter



Image 3-9
Setting success

4. Fourth step : setting parameters

1) Before setting parameters please make sure already connected with controller. And should be in the range of sensor, otherwise can’t setting well.

2) After LCD displayed succeed, press “

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5. Fifth step : Checking controller's parameters


Press “↑” make cursor move on “SystemInfo” then into submenu of “Setting”, press “” to locked, and press “↓” again, then you can setting all the related parameters. As image 3-10~3-13 shows.



Image 3-11
Enter “send parameter”




Image 3-12 Choose
“send parameter”



Image 3-13 Press “↓” to
adjust parameter



Image 3-14
Press “” to confirm




6. Checking status and warning information

Checking status and warning information

Users can check status as above steps after remote successful contact with controller.

Lock remote:

Lock/unlock operation as below:

press “” \ “” and “” at same time, When you hearing “Di~~~” voice that means locked already. Press these three buttons again to unlock. Under lock condition you can't revise parameters, but you can read controller's parameters.



Related information:

Battery under voltage:

When the battery voltage is under the sets of low-voltage protection, the output will be stopped.

Clean the under-voltage:

The battery is allowed to output only when battery voltage is beyond the sets of restoring voltage.

Lighting control:

PV voltage is under the set of lighting voltage, light's on; PV voltage is beyond the set of lighting voltage, light's off.

Times control mode:

The timing of lighting is split into 5 periods, The luminance of each period (available to set on 0-9 hours) can be set according different request to save power.

Sensor mode:

When infrared or microwave probe induct people, the light will be brighter, otherwise light is darken once people leave. The luminance can be adjusted as requests.

Delay sensor mode:

During the lighting period, the foregoing period is timing controlled model, the later period is induction model.

Morning light mode:

Lighting before sunrise.

Power saving mode:

Model activated, the controller will adjust the electric output based on battery voltage.

Controller status:

Below are lights conditions, users can read it as reference to recognize if the light system are normal.

NO.	Machine state	Status indicator lamp	Charging indicator	Discharging indicator
1	Initialization	Flashing	Flashing	Flashing
2	Standby	On	Off	Off
3	Discharge	On	Off	On
4	Charging	On	On	Off
5	Battery Reversed	Off	Fast Flashing	Off
6	Output Short	Off	Off	Fast Flashing
7	Battery Voltage low	Off	Slow Flashing	Off
8	Driving Timeout	Off	Off	Slow Flashing
9	Battery Voltage High	Slow Flashing	Off	Off
10	PV Voltage High	Fast Flashing	Off	Off
11	PV Reversed	Fast Flashing	Fast Flashing	Off
12	Parameter Set Fail	Slow Flashing	Slow Flashing	Off
13	Save Parameter Fail	Fast Flashing	Fast Flashing	Fast Flashing

Remote Control Parameter setting:

Battery Type	LifePO4
Average Charge Voltage	14.5V
Low Battery Voltage	10.0V
RemoveUnder voltage	12.0V
Power Saving Mode	On
Start Saving Power	12.5V
SuperSavingPower	12V
Light Control Voltage	5.0V
Output Current	400mA(20W), 200mA(10W)
Output Mode	Sensor Mode
Proximity Sensor Delay	15 Second
The First Time Period	3 Hour
Brightness Ratio	100%(when people coming)
Brightness Ratio	30% (no people coming)
Morning Light Mode	Off
For the working hours and brightness settings of other time periods, please refer to the first time period parameter	