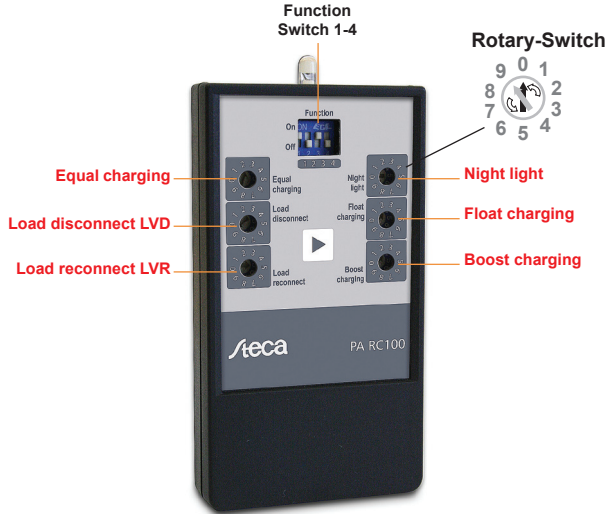


Controller PA RC100



Charge controller standard setting		
	PRS 1515	Solsum 6.6F
Bat	Switch 1 OFF	Switch 1 OFF
SOC	Switch 2-ON / 3-OFF	Switch 2-ON / 3-ON
Night light	Rotary switch 8	Rotary switch 8
Float charging	13,9 (27,8) V - Rotary switch 4	13,9 (27,8) V - Rotary switch 4
Boost charging	14,4 (28,8) V - Rotary switch 4	14,4 (28,8) V - Rotary switch 4
Equal charging	14,7 (29,4) V - Rotary switch 3	14,7 (29,4) V - Rotary switch 3
Load disconnect LVD	11,6 (23,2) V - Rotary switch 5	11,6 (23,2) V - Rotary switch 5
Load reconnect LVR	12,4 (24,8) V - Rotary switch 5	12,4 (24,8) V - Rotary switch 5

Function Switch 1-4	
Switch 1	Battery condition
On	Liquid
OFF	Gel
Switch 2-3	SOC-Factor
OFF + OFF	0 - OFF
OFF + ON	3 - 8 mV/A
ON+OFF	4 - 16 mV/A
ON + ON	5 - 32 mV/A
Switch 4	//
ON	//
OFF	//

Rotary switch	Night Light	Float charging	Boost charging	Equal charging	Load reconnect LVR	Load disconnect LVD
0	Off	13,5 (27,0) V	14,0 (28,0) V	14,4 (28,8) V	11,5 (23,0) V	10,8 (21,6) V
1	1 h	13,6 (27,2) V	14,1 (28,2) V	14,5 (29,0) V	11,7 (23,4) V	11,0 (22,0) V
2	2 h	13,7 (27,4) V	14,2 (28,4) V	14,6 (29,2) V	11,9 (23,8) V	11,2 (22,4) V
3	3 h	13,8 (27,6) V	14,3 (28,6) V	14,7 (29,4) V	12,1 (24,2) V	11,4 (22,8) V
4	4 h	13,9 (27,8) V	14,4 (28,8) V	14,8 (29,6) V	12,3 (24,6) V	11,5 (23,0) V
5	5 h	14,0 (28,0) V	14,5 (29,0) V	14,9 (29,8) V	12,4 (24,8) V	11,6 (23,2) V
6	6 h	14,1 (28,2) V	14,6 (29,2) V	15,0 (30,0) V	12,5 (25,0) V	11,7 (23,4) V
7	7 h	14,2 (28,4) V	14,7 (29,4) V	15,1 (30,2) V	12,6 (25,2) V	11,9 (23,8) V
8	8 h	14,3 (28,6) V	14,8 (29,6) V	15,2 (30,4) V	12,8 (25,6) V	12,1 (24,2) V
9	ON	14,4 (28,8) V	14,9 (29,8) V	15,3 (30,6) V	12,9 (25,8) V	12,3 (24,6) V

1 Safety instruction

1.1 Proper usage

Use the Steca PA RC100 remote control only after thoroughly reading and understanding these operating instructions and safety instructions. Adhere to all safety instructions.

NOTE

This device is not a toy! It should be stored in a safe place out of the reach of children.

Protect the product from shocks and moisture.

Do not short-circuit the contacts in the battery compartment!



WARNING

Risk of injury!

Do not look in the LED, as this could permanently damage your eyes.

1.2 Use of the batteries

Only use new 1.5 V, AAA / R03 batteries.

Make sure that the batteries are inserted with the correct (+) and (-) polarities. Do not recharge alkaline batteries!

Do not expose batteries to fire!

Empty batteries should be removed from the device as should batteries that are not used for a long time.

Please follow the instructions provided by the battery manufacturer.

Please dispose of empty batteries properly.

2 Commissioning and setting the controller

2.1 Disconnect the module, load and battery before programming the controller.

2.2 Insert the AAA batteries correctly.

2.3 Since all the values are always transmitted, it is essential to set all parameters.

All values that are to remain unchanged must be set in accordance with the user's manual or with the "Standard settings" table.



ATTENTION!

The value set for equal charging must be higher than for boost charging. The boost charging value must be in turn higher than for float charging. The Load Reconnect value (LVR) must be at least 0.7 V above the Load Disconnect value (with 24 V systems it must correspondingly be 1.4 V higher).

The SOC factor defines the change in the LVD threshold relative to the current discharge current. Example: SOC factor 4 – 16 mV/A means that the LVD threshold is lowered by 16 mV per amp of load current. If the LVD threshold is 11.6 V, with 20 A of load current this is lowered by $20 \text{ A} \times 16 \text{ mV/A} = 320 \text{ mV}$ to 11.28 V. The smaller the actual load current for the controller, the greater the SOC factor that can be chosen.

3 Programming

After setting all parameters, carry out the following operations:

3.1

Connect a battery to supply the controller and carry out steps 3.2 and 3.3 within one minute.

3.2

Place the LED of the Steca PA RC100 remote control in the recess for the green battery LED on the right.

3.3

Press the "Start" button for 1 second in order to start the transmission.

3.4

The charge controller **INFO LED** flashes green = Transmission OK. Separate the battery from the controller; the settings are saved.

The charge controller **INFO LED** flashes red = Transmission error. In this case you should separate the controller from the battery and repeat the procedure from step 3.1 or, if required, recheck the settings for the Steca PA RC100 remote control in accordance with step 2.1.

3.5

Note about the night light function.

On restarting the controller the load output is active for 1 minute. The load output is then switched off and the day/night recognition starts. With a module voltage less than 6.5 V (with the 12 V system) or smaller than 18 V (with the 24 V system), the controller recognises that it is "night-time" and switches on the load output after a time delay of approximately 5 minutes. With module voltages respectively greater than approximately 8.0 V or 22.0 V, or when there is no solar module connected, the controller recognises that it is again "daytime" and switches off the load output after a time delay of approximately 5 minutes.

For all models: With "Timer" settings, the load output is switched off once the selected duration has been completed. If "daytime" is already recognised beforehand, the load output is switched off in advance.