

RSC-P PWM Solar Charge Controller

Feature:

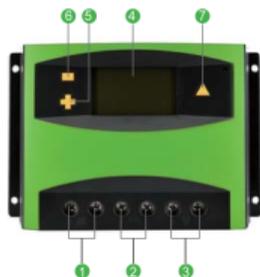
- 10A 20A 30A 50A 60A solar charge controller
- Vivid LCD graphic symbols
- Simple button operation
- Automatic identification of system voltage level
- Intelligent PWM charging mode
- Adjustable charge-discharge protection
- Automatic temperature compensation
- Settable operation mode of load
- Battery reverse-discharge protection
- Battery low voltage disconnection(LVD)
- Battery reverse connection protection
- Over current protection
- USB output



Introduction:

This intelligent, multi-purpose solar charge and discharge controller from Rekoser has a very friendly interface of fixed LCD display. Various control parameters can be flexibly set, fully meet your various application requirements.

LCD Display Information



Inner Details



Stability, high efficiency, high integration



Optimized circuit design



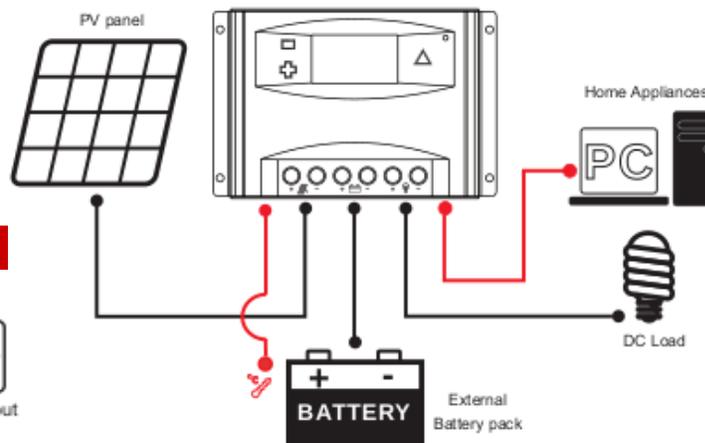
SCM accurate control



Selection of quality materials

Button	Operation	Function
5. +	Short press	Next display page; Increase when setting parameters
	Long press (≥3 s)	Increase value continuously when setting parameters
6. -	Short press	Previous display page; Decrease when setting parameters
	Long press (≥3 s)	Reduce value continuously when setting parameters
7. ▲	Short press	Switch on/off load ; Enter setup/save parameters
	Long press (≥3 s)	Access/exit secondary loop interface

Solar System Connection



Functions



LCD display



12V / 24V Auto



PWM



Simple button operation



Protections



USB Output

SERIES Controllers



Model: RSC1224-20PU

Model: RSC1224-30PU

Model: RSC1224-40P, 50P

Model: RSC1224-60P



Rated Voltage: 12V/24V Auto identified
Rated Current: 20A
USB Port: 5V, 1A x 2

Rated Voltage: 12V/24V Auto identified
Rated Current: 30A
USB Port: 5V, 1A x 2
LCD screen size: 2.2"

Rated Voltage: 12V/24V
Rated Current: 40A, 50A

Rated Voltage: 12V/24V
Rated Current: 60A

LCD screen size: 2.6"
Temperature sensor port: x1
Communication port: RJ45 (Optional)

LCD screen size: 2.6"
Temperature sensor port: x1
Communication port: RJ45 (Optional)

Packing info: 30pcs / carton
Carton size: 535mm x 425mm x 200mm
Gross weight: 12Kg
Volume: 0.045m³

Packing info: 30pcs / carton
Carton size: 535mm x 425mm x 200mm
Gross weight: 12Kg
Volume: 0.045m³

Packing info: 24pcs / carton
Carton size: 545mm x 425mm x 205mm
Gross weight: 14Kg
Volume: 0.047m³

Packing info: 24pcs / carton
Carton size: 545mm x 425mm x 205mm
Gross weight: 17Kg
Volume: 0.047m³

Application



RV, boat & field power supply solar system



Off-grid home solar system



Farm solar generation system

SPECIFICATION

MODEL		RSC1224-40P, 50P		RSC1224-60P		RSC48-50P		RSC48-60P	
INPUT	PV voltage	≤50V						≤100V	
	Rated current	40A	50A	60A	40A	50A	60A		
OUTPUT	System voltage	12/24V Auto				48V			
	High voltage disconnection	16.00V x 1 / x 2 / x 3 / x 4 (0.5V)							
	Rated discharging current	40A	50A	60A	40A	50A	60A		
	No load loss	≤13mA				≤25mA			
	Charge loop voltage drop	≤0.21V		≤0.24V		≤0.25V		≤0.25V	
	Discharge loop voltage drop	≤0.12V		≤0.10V		≤0.12V		≤0.10V	
	Charging mode	PWM 4-stage bulk, absorption, float, equalized							
	Float charging voltage	13.8V (13V~15V) x 1 / x 2 / x 3 / x 4							
	Absorption charging voltage	14.4V (13V~15V) x 1 / x 2 / x 3 / x 4							
	Equalized charging voltage	14.6V (13V~15.5V) x 1 / x 2 / x 3 / x 4							
Low voltage protection	10.7V (10V~14V) x 1 / x 2 / x 3 / x 4								
Low voltage reconnecting	12.6V (10V~14V) x 1 / x 2 / x 3 / x 4								
USB output	5V, 1A				None				
OTHER	Installing cables size	≤6mm ²		≤16mm ²		≤6mm ²		≤16mm ²	
	Working temperature	-20°C~55°C							
	Dimension(L x W x H)	188mm x 95mm x 46.5mm							
	Net weight	355g		360g		355g		360g	

*Product specifications are subject to change without further notice.