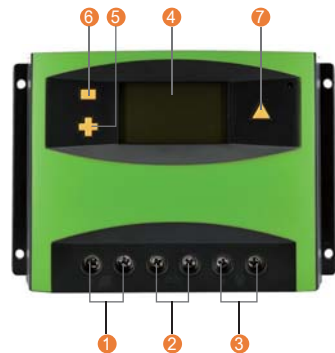## PC1500B Series
PWM Solar Charge Controller

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
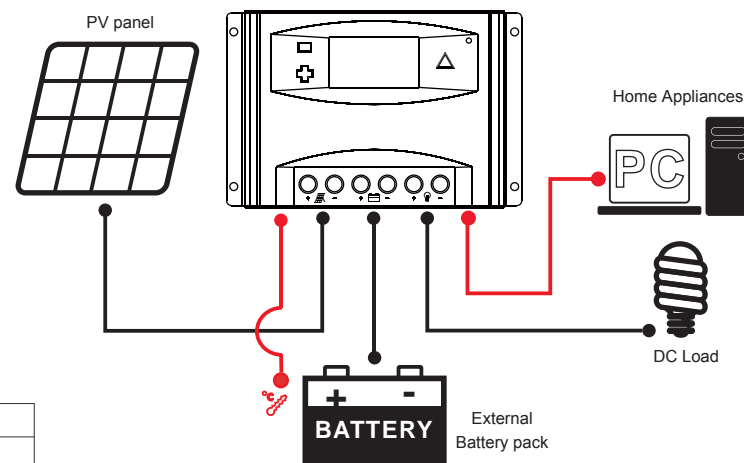- USB output

Model: PC1500B-60DU

Introduction:

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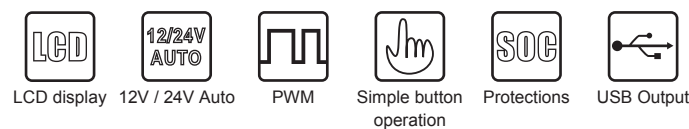
LCD Display Information

1. PV array positive terminal
   PV array negative terminal
2. Battery positive terminal
   Battery negative terminal
3. The load positive terminal
   The load negative terminal
4. LCD display

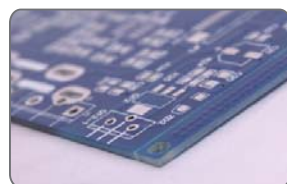| Button	Operation	Function
5. +	Short press	Next display page;Increase when setting parameters
	Long press (≥3 s)	Increase value continuously when setting parameters
6. –	Short press	Previous display page; Decrease when setting parameters
	Long press (≥3 s)	Reduce value continuously when setting parameters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

Inner Details

Stability, high efficiency, high integration | Optimized circuit design | SCM accurate control | Selection of quality materials

Solar System Connection

PV panel
Home Appliances
PC
DC Load
BATTERY
External Battery pack

Functions:

LCD display | 12V / 24V Auto | PWM | Simple button operation | Protections | USB Output

PC1500B SERIES Controllers

Model: PC1500B-20DU
optional USB

Rated Voltage:12V24V Auto identified
Rated Current: 20A
USB Port: 5V, 1A x 2

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

Model: PC1500B-30DU
optional USB

Rated Voltage:12V24V Auto identified
Rated Current: 30A
USB Port: 5V, 1A x 2
LCD screen size: 2.2"

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

Model: PC1500B-50D / 5048D

Rated Voltage:12V24V Auto identified or 48V
Rated Current: 40A, 50A

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

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

Model: PC1500B-60D / 6048D

Rated Voltage:12V24V Auto identified or 48V
Rated Current: 60A

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

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

	Model	PC1500B-50D	PC1500B-60DU	PC1500B-5048D	PC1500B-6048D
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	≤6mm²	≤16mm²	≤6mm²	≤16mm²
	Working temperature	-20°C~55°C			
	Dimention(L x W x H)	188mm x 95mm x 46.5mm			
	Net weight	355g	360g	355g	360g

Note: Absorption charging voltage and Equalized charging voltage — Duration 2 hours

* Product specifications are subject to change without further notice.