



Model: PC1500B-60DU

## 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

### Introduction:

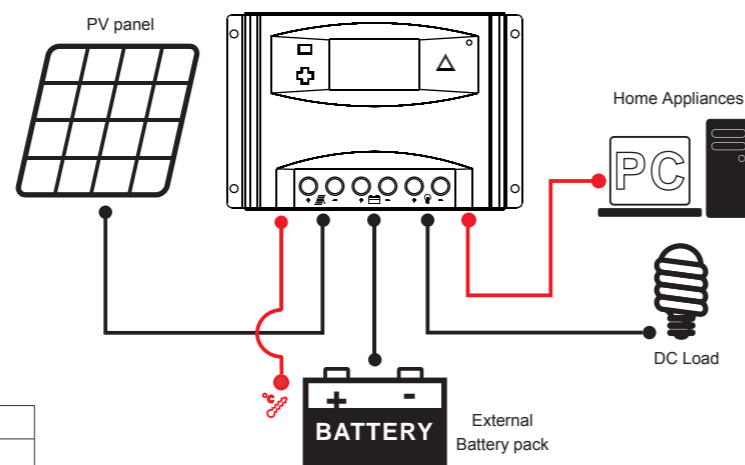
This intelligent, multi-purpose solar charge and discharge controller has a very friendly interface of fixed LCD display. Various control parameters can be flexibly set, fully meet your various application requirements.

### LCD Display Information

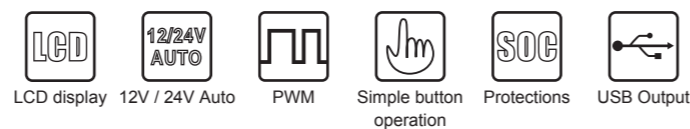


1. PV array positive terminal  
PV array negative terminal
2. Battery positive terminal  
Battery negative terminal
3. The load positive terminal  
The load negative terminal
4. LCD display

### Solar System Connection



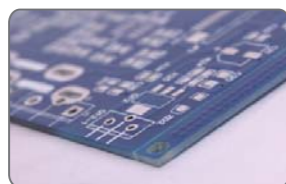
### Functions:



### Inner Details



Stability, high efficiency, high integration



Optimized circuit design



SCM accurate control



Selection of quality materials

### PC1500B SERIES Controllers



Model: PC1500B-20DU



Rated Voltage: 12V/24V 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: 0.045m<sup>3</sup>



Model: PC1500B-30DU



Rated Voltage: 12V/24V 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: 0.045m<sup>3</sup>



Model: PC1500B-50D / 5048D

Rated Voltage: 12V/24V 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: 0.047m<sup>3</sup>



Model: PC1500B-60D / 6048D

Rated Voltage: 12V/24V 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: 0.047m<sup>3</sup>

### 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				
OTHER	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	
	Installing cables size	≤6mm <sup>2</sup>	≤16mm <sup>2</sup>	≤6mm <sup>2</sup>	≤16mm <sup>2</sup>	
	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.