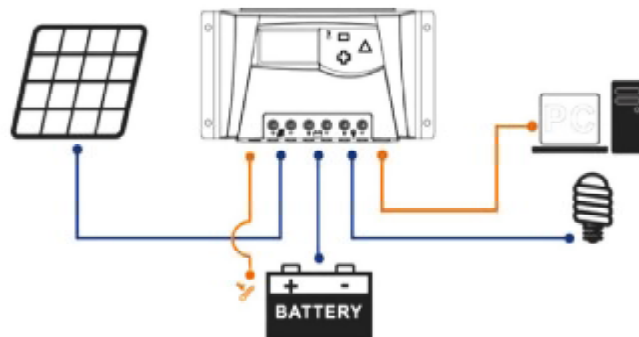


NC series 30A/40A 12V/24V auto work / 48V



Installation:



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.

Features

- 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
- Overcurrent protection

Technical Data

Model	NC12/24-30D	NC4830D	NC12/24-40D	NC4840D
Input				
PV voltage	≤50V	≤100V	≤50V	≤100V
Rated current	30A	30A	40A	40A
Output				
System voltage	12V/24V (Auto)	48V	12V/24V (Auto)	48V
HVD	16.00V × 1/2 × 3/4			
Rated current	30A	30A	40A	40A
No-load loss	≤13mA	≤15mA	≤13mA	≤15mA
Charge loop voltage drop	≤0.17V	≤0.28V	≤0.17V	≤0.28V
Discharge loop voltage drop	≤0.10V	≤0.10V	≤0.10V	≤0.10V
Charging mode	PWM 4-stage (bulk, absorption, float, equalized)			
Voltage of float charging	13.8(13V-15V) × 1/2 × 3/4			
Voltage of absorption charging	14.4V(13V-15V) × 1/2 × 3/4			
Duration of absorption charging	2hs			
Voltage of equalized charging *	14.6V(13V-15.5V) × 1/2 × 3/4			
Duration of equalized charging	2hs			
LVD	10.7V(10V-14V) × 1/2 × 3/4			
LVR	12.6V(10V-14V) × 1/2 × 3/4			
Load working mode	Regular control mode			
	Light control with switch-off point at night and switch-on point before dawn			
	Light control mode			
Light control voltage	Self-timing switch on/off mode			
	5V(1V-10V) × 1/2 × 3/4			
Battery type	GEL, SLD, FLD and USr(default)			
Other				
Buttons LCD, 3 buttons	LCD, 3 buttons			
Heat sink	AL alloy heat sink			
Wiring	PCB terminal, ≤16mm ²			
Working temperature	-20 ~ +55 ° C			
Storage temperature	-30 ~ +80 ° C			
Working humidity	10% ~ 90%, no condensation			
Dimension	195 × 111 × 54 mm			
Net Weight	400g		410g	
IP grade	IP30			
Optional function	Remote communication, TTL, standard ModBus protocol			
Accessory	Temperature sensor			

ISO9001:2015 RoHS CE E8