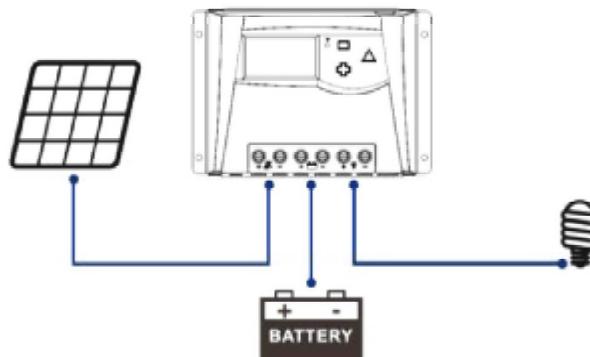


## NC series 50A/60A 12V24V auto work / 48V



### 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	NC12/24-50D	NC4850D	NC12/24-60D	NC4860D
Input				
PV voltage	≤50V	≤100V	≤50V	≤100V
Rated current	50A	50A	60A	60A
Output				
System voltage	12V/24V (Auto)	48V	12V/24V (Auto)	48V
HVD		16.00V×1/×2/×4		
Rated current	50A	50A	60A	60A
No-load loss	≤14mA	≤16mA	≤14mA	≤16mA
Charge loop voltage drop	≤0.22V	≤0.25V	≤0.22V	≤0.25V
Discharge loop voltage drop	≤0.12V	≤0.12V	≤0.12V	≤0.12V
Charging mode	PWM 4-stage (bulk, absorption, float, equalized)			
Voltage of float charging	13.8(13V~15V) × 1/×2/×4			
Voltage of absorption charging	14.4V(13V~15V) × 1/×2/×4			
Duration of absorption charging	2hs			
LVD	10.8V(10V~14V) × 1/×2/×4			
LVR	12.6V(10V~14V) × 1/×2/×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 mode			
Light control voltage	5V(1V~10V) × 1/×2/×4			
Battery type	GEL, SLD, FLD and USr(default)			
Other				
Buttons	LCD, 3 buttons			
Heat sink	AL alloy heat sink			
Wiring	PCB terminal, ≤25mm <sup>2</sup>			
Working temperature	-20 ~ +55 ° C			
Storage temperature	-30 ~ +65 ° C			
Working humidity	10% ~ 90%, no condensation			
Dimension	188 × 133 × 51.5 mm			
Net Weight	595g	600g	735g	740g
IP grade	IP30			
Optional function	Remote communication, TTL, standard ModBus protocol			
Accessory	Temperature sensor			