

## SOLAR SYSTEM CONTROLLER



## CLASSIC SERIES SOLAR SYSTEM CONTROLLER

This series controller has innovative design. It's easy to install and quite user-friendly. Optimized charging and discharging management extends the service life of batteries considerable. It can fully meet your various application requirements.



RV, boat & field power supply solar system



Off-grid home solar system



Farm solar generation system

# CLASSIC SERIES SOLAR SYSTEM CONTROLLER

## CLASSIC SERIES LED CONTROLLERS

- Vivid LED indicators show system battery capacity, charging and discharging state of the battery.
- Protection functions as overcharging, over discharging, overload and reverse connection.
- PWM charging method makes the charging efficiency increase by 3% to 6%, compared with non-PWM charging.
- The parameters of charging and discharging have been set during the production (special parameters need to be told in advance), so no need to adjust the parameters.
- USB charge function.



Model: SLC-NR2410C  
SLC-NR2420C



Rated Voltage:  
**12V24V Auto identification**  
Rated Current: **10A, 20A**  
USB port: **1A/5Vx2**

Packing: **30pcs/carton**  
Carton size: **545mmx425mmx175mm**  
Gross weight: **13.5Kg**



Model: SLC-NR2430C



Rated Voltage:  
**12V24V Auto identification**  
Rated Current: **30A**  
USB port: **1A/5Vx2**

Packing: **30pcs/carton**  
Carton size: **545mmx425mmx175mm**  
Gross weight: **13.5Kg**

## CLASSIC SERIES LCD CONTROLLERS

- 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
- USB output

Model: SLC-GP2410C  
SLC-GP2420C



Rated Voltage:  
**12V24V Auto identification**  
Rated Current: **10A, 20A**  
USB port: **1A/5Vx2**  
Packing: **30pcs/carton**  
Carton size: **545x425x175mm**  
Gross weight: **14.5Kg**

Model: SLC-GP2430C



Rated Voltage:  
**12V24V Auto identification**  
Rated Current: **30A**  
USB port: **1A/5Vx2**  
Packing: **30pcs/carton**  
Carton size: **545x425x175mm**  
Gross weight: **14.5Kg**

Model: SLC-GP4830C



Rated Voltage: **48V**  
Rated Current: **30A**  
Packing: **30pcs/carton**  
Carton size: **545x425x175mm**  
Gross weight: **14.5Kg**



Model: SLC-GP2440C  
SLC-GP4840C  
SLC-GP2450C  
SLC-GP4850C

Rated Voltage:  
**12V24V Auto identification or 48V**  
Rated Current: **40A, 50A**  
Temperature sensor port x1  
Communication port: **RJ45(Optional)**

Packing: **24pcs/carton**  
Carton size:  
**545x425x205mm**  
Gross weight: **16.8Kg**



Model: SLC-GP2460C  
SLC-GP4860C

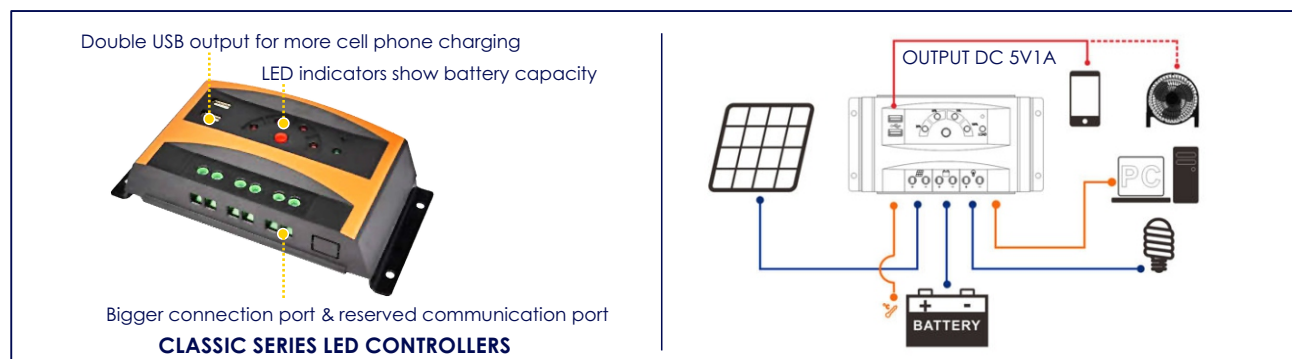
Rated Voltage:  
**12V24V Auto identification or 48V**  
Rated Current: **60A**  
Temperature sensor port x1  
Communication port: **RJ45(Optional)**

Packing: **24pcs/carton**  
Carton size:  
**545x425x205mm**  
Gross weight: **20.2Kg**

# CLASSIC SERIES

## SOLAR SYSTEM CONTROLLER

### CLASSIC SERIES LED CONTROLLERS



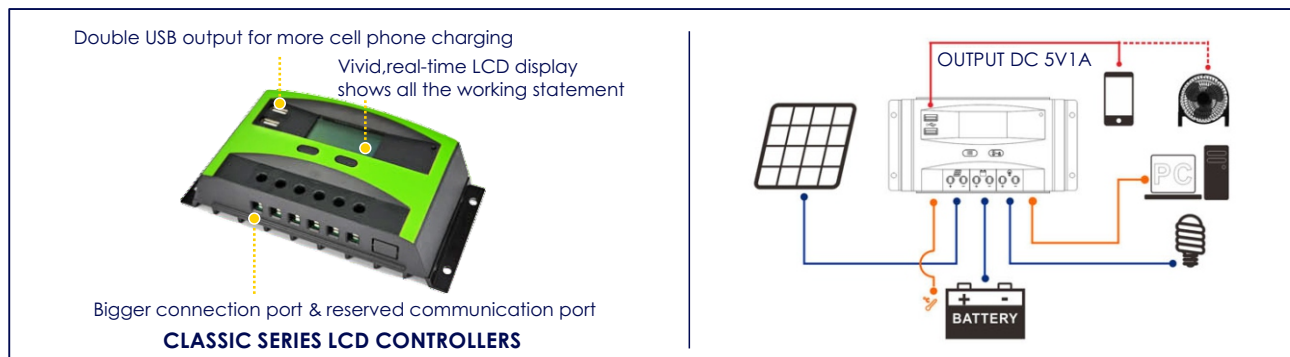
### TECHNICAL DATA

MODEL	SLC-NR2410C		SLC-NR2420C	SLC-NR2430C
INPUT				
Input voltage	≤50V			
Rated input current	10A	20A	30A	
OUTPUT				
System voltage	12V/24V Auto			
High voltage disconnection	16.0V/32.0V			
Rated discharging current	10A	20A	30A	
No load loss	≤14mA	≤14mA	≤14mA	
Charge loop voltage drop	≤0.22V	≤0.22V	≤0.25V	
Discharge loop voltage drop	≤0.13V	≤0.13V	≤0.1V	
Charging mode	Bulk, Absorption, Float			
Float charging voltage	13.8V/27.6V			
Absorption charging voltage	14.4V/28.8V			
Equalized charging voltage	-			
Low voltage protection	10.8V/21.6V			
Low voltage reconnecting	12.6V/25.2V			
USB output	5V,1A			
OTHER				
Installing cables size	6mm <sup>2</sup>	6mm <sup>2</sup>	16mm <sup>2</sup>	
Working temperature	-20°C~50°C			
Dimension(LxWxH)	188x95x46.5mm			
Net weight	338g	340g	345g	

# CLASSIC SERIES

## SOLAR SYSTEM CONTROLLER

### CLASSIC SERIES LCD CONTROLLERS



### TECHNICAL DATA

MODEL	SLC- GP2410C	SLC- GP2420C	SLC- GP2430C	SLC- GP4830C	SLC- GP2440C	SLC- GP4840C	SLC- GP2450C	SLC- GP4850C	SLC- GP2460C	SLC- GP4860C
INPUT										
Input voltage	≤50V			≤100V	≤50V	≤100V	≤50V	≤100V	≤50V	≤100V
Rated input current	10A	20A	30A	30A	40A	40A	50A	50A	60A	60A
OUTPUT										
System voltage	12V/24V Auto			48V	12V/24V Auto	48V	12V/24V Auto	48V	12V/24V Auto	48V
High voltage disconnection	16.0V/32.0V			64.0V	16.0V/32.0V	64.0V	16.0V/32.0V	64.0V	16.0V/32.0V	64.0V
Rated discharging current	10A	20A	30A	30A	40A	40A	50A	50A	60A	60A
No load loss	≤14mA	≤14mA	≤14mA	≤17mA	≤13mA	≤17mA	≤13mA	≤17mA	≤13mA	≤17mA
Charge loop voltage drop	≤0.22V	≤0.22V	≤0.25V	≤0.25V	≤0.21V	≤0.25V	≤0.21V	≤0.25V	≤0.24V	≤0.25V
Discharge loop voltage drop	≤0.13V	≤0.13V	≤0.1V	≤0.1V	≤0.12V	≤0.12V	≤0.15V	≤0.15V	≤0.18V	≤0.18V
Charging mode	Bulk, Absorption, Float, equalized				Bulk, Absorption, Float					
Float charging voltage	13.8V/27.6V			55.2V	13.8V/27.6V	55.2V	13.8V/27.6V	55.2V	13.8V/27.6V	55.2V
Absorption charging voltage	14.4V/28.8V			57.6V	14.4V/28.8V	57.6V	14.4V/28.8V	57.6V	14.4V/28.8V	57.6V
Equalized charging voltage	14.6V/29.2V			58.4V	-	-	-	-	-	-
Low voltage protection	10.8V/21.6V			43.2V	10.8V/21.6V	43.2V	10.8V/21.6V	43.2V	10.8V/21.6V	43.2V
Low voltage reconnecting	12.6V/25.2V			50.4V	12.6V/25.2V	50.4V	12.6V/25.2V	50.4V	12.6V/25.2V	50.4V
USB output	5V,1A			-	-	-	-	-	-	-
OTHER										
Installing cables size	6mm <sup>2</sup>	6mm <sup>2</sup>	16mm <sup>2</sup>	16mm <sup>2</sup>	25mm <sup>2</sup>	25mm <sup>2</sup>	25mm <sup>2</sup>	25mm <sup>2</sup>	25mm <sup>2</sup>	25mm <sup>2</sup>
Working temperature	-20°C~50°C									
Dimension(LxWxH)	188x95x46.5mm				188x125x48.5 mm				188x125x56mm	
Net weight	350g	355g	360g	360g	565g	565g	565g	565g	705g	705g