

PWM solar charge controller



This is a new series of solar charge controller. It is equipped with explicit LED indicator or vivid LCD for you to choose.

The new design of graphic display informs the user of all important system data. When meeting functional needs, it also offers user-friendly installation and operation interfaces.

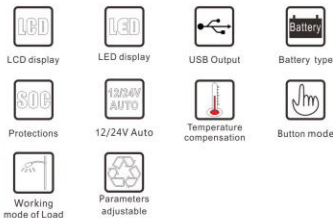
With a dual USB port max 5V1.2A output on each model, people can charge mobile phones, DC fans and other DC electronic devices.

With multiple load control modes enable it can be widely used in solar home system, traffic signal, solar street light, solar garden lamp, etc. All in all, it is a popular high efficient product.

Electronic Protections

- Battery over charge protection
- Battery over discharge protection
- Over load protection
- Reverse current protection at night
- Reverse connection protection of battery
- Overheat protection and short circuit protection of USB output

Features



LCD Display

Model: MSCC1010D



with **USB**

Rated Voltage: 12V24V Auto identified
Rated Current: 5A, 10A
USB Port: 5V, 1A × 2

Packing info: 50pcs/carton
Carton size: 415mm×305mm×230mm
Volume: 0.029m³

Model: MSCC2020D



with **USB**

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

Packing info: 40pcs/carton
Carton size: 465mm×320mm×210mm
Volume: 0.031m³

Model: MSCC3030D



with **USB** Bigger connector!!

Rated Voltage: 12V24V Auto identified
Rated Current: 30A
USB Port: 5V, 1A × 2

Packing info: 30pcs/carton
Carton size: 515mm×360mm×165mm
Volume: 0.031m³



Technical Data

	Model	MSCC1010D	MSCC2020D	MSCC3030D
	Display		LCD	
Solar Input	Input voltage		≤50V	
	Rated input current	10A	20A	30A
	Charge loop voltage drop		≤0.3V	
Battery	System voltage		12V/24V Auto	
	No load loss		≤12.5mA(12V), ≤14.5mA(24V)	
	USB output		5V/1A	
	Charging mode		PWM	
	Float charge voltage		13.8V(13V~15V)x1/x2	
	Absorption charge voltage		14.4V(13V~15V)x1/x2	
	Equalized charge voltage		14.6V(13V~15V)x1/x2	
	Temperature compensation		-4mV/Cell/°C	
Load	Rated load current	10A	20A	30A
	Discharge loop drop		≤0.18V	
	Low voltage disconnect		10.8V/21.6V	
	Low voltage reconnect		12.6V/25.2V	
	Over voltage disconnect		16.0V/32.0V	
Related	Max wire size		6mm ² ~16mm ²	
	Working temperature		-10°C~50°C	
	Working humidity		10%~90%, no condensation	
	Dimension(L×W×H)	130x75x38(mm)	140x85x42.5(mm)	160x95x42.5(mm)
	Net weight	175g	230g	327g

