

NEW

HF2 series

PWM solar charge controller



HF2 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. While meeting functional needs, it also offers user-friendly installation and operation interfaces.

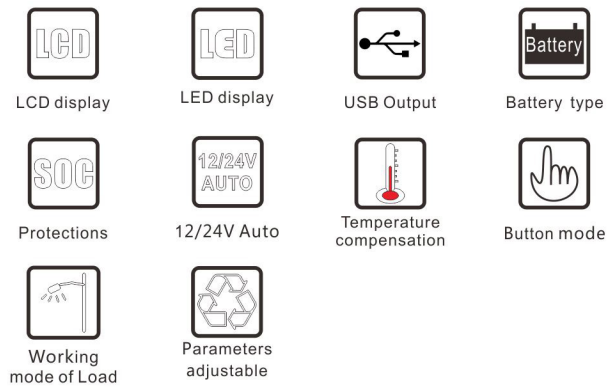
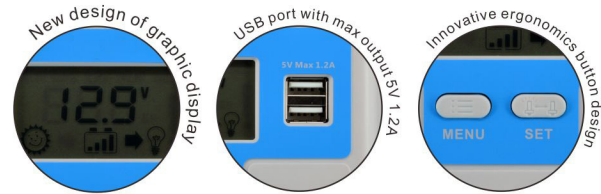
With a dual USB port max 5V1.2A output on each model, people can charge mobile phones, DC fans and other DC electronic devices.

With multiple load control modes enable it can be widely use 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: HF210D

optional **USB**

Rated Voltage: 12V/24V Auto identified
Rated Current: 5A, 10A
USB Port: 5V, 1A x 2

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

Model: HF220D

optional **USB**

Rated Voltage: 12V/24V Auto identified
Rated Current: 20A
USB Port: 5V, 1A x 2

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

Model: HF230D

optional **USB** Bigger connector!!

Rated Voltage: 12V/24V Auto identified
Rated Current: 30A
USB Port: 5V, 1A x 2

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

LED Indicator

Model: HF210

optional **USB**

Rated Voltage: 12V/24V Auto identified
Rated Current: 5A, 10A
USB Port: 5V, 1A x 2

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

Model: HF220

optional **USB**

Rated Voltage: 12V/24V Auto identified
Rated Current: 20A, 30A
USB Port: 5V, 1A x 2

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

HF2 series solar charge controller



Technical Data

Model		HF210D	HF220D	HF230D	HF210	HF220
Solar Input	Display	LCD			LED	
	Input voltage	≤50V				
	Rated input current	10A	20A	30A	10A	20A
	Charge loop voltage drop	≤0.3V			≤0.22V	
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)×1/×2			13.8V/27.6V	
	Absorption charge voltage	14.4V(13V~15V)×1/×2			14.4V/28.8V	
	Equalized charge voltage	14.6V(13V~15.5V)×1/×2			--	
	Temperature compensation	-4mV/Cell/°C				
Load	Rated load current	10A	20A	30A	10A	20A
	Discharge loop drop	≤0.18V			≤0.12V	
	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)	130×75×38(mm)	140×85×42.5(mm)	160×95×45(mm)	130×75×38(mm)	140×85×42.5(mm)
	Net weight	175g	230g	327g	172g	227g

