1. Mini solar charge controllers

1. Overloading protection
2. Short circuit protection
3. Reverse current protection
4. Reverse polarity connection protection
5. Thunder protection
6. Over discharge protection
7. Overcharge protection
8. The temperature compensation
9. Analogous circuit control

Model	Rated Voltage	Loading current Max	Full charge cut	Low voltage cut	Temperature compensation	No load loss	Wire area Min	Voltage drop	Measurement(mm)	Gross Weight (g)
	auto select for 12-24Vdc	≤5A	13.7V	10.5~11V	-3mv/℃/cell	≤20mA	2.5m㎡	<120mv	107*103*45	280g
CMP-10A		≤10A	13.7V	10.5~11V	-3mv/℃/cell	≤20mA	2.5m㎡	<200mv	107*103*45	280g

2. solar charge controllers for medum sized solar system

1. Overloading protection
2. Short circuit protection
3. Reverse current protection
4. Reverse polarity connecting protection
5. Thunder and lighting protection
6. Over discharge protection
   Battery turns off at the voltage level, LVD sets up
7. Over charge protection
   Battery stops being charged at the voltage level, HVD sets up
8. Display the capacity of the battery SOC
9. Intelligentized the temperature compensation
10. Memorize accumulated charging ampere hours on the LCD screen
11. Memorize accumulated loading ampere hours on the LCD screen
12. MCU control and LCD display

Model	Rated Voltage	Loading current Max	Full charge cut	Low voltage cut	Temperature compensation	No load loss	Wire area Min	Voltage drop	Measurement(mm)	Gross Weight (g)
CMP-20A	auto-select 12-24Vdc	≤20A	13.7V	10.5~11V	-3mv/℃/cell	≤30mA	4m㎡	<240mv	150*123*55	400g

3. Intelligent solar charge controllers

1. Overloading protection
2. Short circuit protection
3. Reverse current protection
4. Reverse polarity connecting protection
5. Thunder and lighting protection
6. Over discharge protection
   Battery turn off at the voltage level, LVD sets up
7. Over charge protection
   Battery stop being charged at the voltage level, HVD sets up
8. Display the capacity of the battery SOC
9. Intelligentized the temperature compensation
10. Memorize accumulated charging ampere hours on the LCD screen
11. Memorize accumulated loading ampere hours on the LCD screen
12. MCU control and LCD display

Model	Rated Voltage	Loading current Max	Full charge cut	Low voltage cut	Temperature compensation	No load loss	Wire area Min	Voltage drop	Measurement(mm)	Gross Weight (g)
	automatism identify		13.7V Default, can be reset	10.5V Default, can be reset						450g
CMP-45A		≤45A			-3mv/℃/cell	≤45mA	6m㎡	<200mv	178*162*80	