



>>> IP67 waterproof level controller,aging-resistance,corrosion resistance.



FEATURES

1. PWM fast charging mode
2. LED display
3. MCU Control management system
4. Auto battery voltage identification
5. Light control mode, Time control mode
6. Reverse connecting protection
7. Hanging style design makes it convenient to install
8. Water-proof, Moisture-proof, Dust-proof
9. Special design for streetlamps

>Same Product Shell:ST-F1205/ST-F1210 >Same Product Shell:ST-F1220/ST-F1230

Technical Parameter

ST-F-series

Model	ST-F1205	ST-F1210	ST-F1220	ST-F1230
voltage range of solar panel	15V-40V		18V-24V 36V-48V	
Battery voltage	12V-24V		12V/24V	
Max output current	5A	10A	20A	30A
Max charging current	5A	10A	24A	35A
Recommended solar panel power	12V(40W) 24V(80W)	12V(80W) 24V(160W)	12V(200W) 24V(400W)	12V(300W) 24V(600W)
Battery capacity	24AH	60AH	120AH	180AH
Overload current protection	30s		30s	
Waterproof Level	Ip67		Ip67	
System standby power consumption	<10MA		<20MA	
Size(mm)	74x24.2x141		108x100x30	128x100x30



Double USB output(5V2.1A)



FEATURES

1. Clock timing function
2. Built-in two 5V 2.1A USB interfaces
3. Extreme Low Power Consumption
4. Built-in IR self-learning infrared remote control to turn the DC loads on and off
5. LCD Display with backlight
6. Adjustable charging voltage(Low:14.2V, Default:14.5V,High:15.2V)
7. Light control mode, Time control mode
8. Reverse protection, short circuit protection
9. Designed for 12V/24V solar power system
10. Hanging style design makes it convenient to install
11. Available in 10A/20A/30A/40A
12. Simple options, automatic memory retention of users' settings

>Same Product Color:ST-C1220/ST-C1230/ST-C1250

>Same Product Color:ST-C1210/ST-C1240/ST-C1260

Technical Parameter

ST-C-series

Model	ST-C1210	ST-C1220	ST-C1230	ST-C1240	ST-C1250	ST-C1260
To adapt to the battery	12V/24V, battery<16V:12V, Battery>18V:24V					
Maximum charging voltage	12V:18-24V Standard specifications solar panels(24V battery*2)					
Maximum charging current	10A	20A	30A	40A	50A	60A
The largest output current	12A	24A	35A	45A	55A	65A
Maximum charging voltage	Convenient switch:(24V Battery *2,Parameters can adjust in the Settings menu) Set 1:Low: 14.2V(28.4V),Gel battery(Default Option) Set 2:Default:14.5V(29V)(Conventional lead-acid batteries) Set 3:High: 15.2V(30.4V) (Liquid lead-acid battery)					
Low voltage protection voltage	10.5V(24 battery*2,Parameters can adjust in the Settings menu)					
Low pressure recovery voltage	12.5V(24 battery*2,Parameters can adjust in the Settings menu)					
Load overload automatic recovery	30S					
Double USB output	5V 2.1A			No		
Load relating to open time	0-24 hours can choose					
Infrared remote control distance	>5m					