



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. LCD Display with backlight
5. Adjustable charging voltage ( Low : 14.2V , Default : 14.5V , High : 15.2V )
6. Light control mode , Time control mode
7. Designed for 12V / 24V solar power system
8. Hanging style design makes it convenient to install
9. Available in 10A/20A/30A/40A/50A/60A
10. Simple options , automatic memory retention of users settings
11. High and low voltage protection, overcurrent protection, overload protection, lightning protection

- >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					



FEATURES

1. Three battery charging settings have been present(B01:Leadacid battery, B02: Lithium iron battery, B03: Lithium iron phosphate battery), according to the types of batteries, with power-off memory function, which can remember the settings when users power on next time.
2. Large-screen LCD display, charging and discharging parameters can be fully customized.
3. Adopts complete three phase PWM charge management (Constant current mode, constant voltage mode, floating charge mode).
4. Built-in overcurrent(short circuit/open circuit and battery reverse protection).
5. Double MOS tube anti-reverse circuit protection, which prevents battery current from being soaked power loss/transferring to the solar cell at night.



ST-S Family ST-S1210/ST-S1220/ST-S1230

Technical Parameter

ST-S-series

Model	ST-S1210	ST-S1220	ST-S1230
System voltage	12V/24V		
Maximum input voltage	<50V		
Rated current	10A	20A	30A
External 12V battery specifications	100W/18V	200W/18V	300W/18V
External 24V battery specifications	100W/36V	200W/36V	300W/36V
External battery	12V 100-150Ah	12V 100-150Ah	12V 100-150Ah
	24V 100-150Ah	24V 100-150Ah	24V 100-150Ah
Battery Type	B01=Lead Acid Battery 12V B02=Lithium-ion battery 3 series 3.7V=11.1V B03=Lithium iron phosphate battery 4 series 3.2V=12.8V		
Charging voltage	*14.3V(B01)	*12.6V(B02)	*14.6V(B03)
Low-voltage out-of voltage	*10.7V(B01)	*9V(B02)	*10V(B03)
Low power recovery voltage	*12.6V(B01)	*10.5V(B02)	*12V(B03)
USB output	5V/2A		
Standby current	<10mA		
Working temperature	-35~+60°C		