



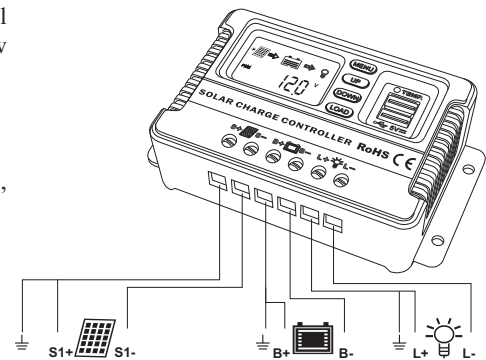
CP Series PWM Solar Charge Controller with LCD

DESCRIPTION

New designed CP series PWM solar charge controller with unique appearance, which adds USB and temperature protection. It can adopt different charging way based on different batteries and environment. It is designed with clear LCD display to show basic data with 4 buttons to switch to different screens.

FEATURES

1. PWM technology offers high efficiency to your PV system.
2. Automatically detects 12/24V system voltage.
3. USB 5V 2.1A
4. LCD screen displays battery voltage, PV charge current, DC load discharge current, total charge Ah, total discharge Ah, the setting of constant voltage charging, the setting of low voltage cut off, the setting of low voltage recovery
5. The constant voltage charge, low voltage disconnect and reconnect data settable by user.
6. External temperature sensor
7. Temperature-compensated, three-stage I-U curve charge regulation
8. Full electronic protection (reverse polarity, overload, short-circuit, over temperature, over voltage, low voltage, etc.)
9. Positive ground
10. Battery type can be: GEL, AGM and lead acid battery, etc.



SPECIFICATIONS

Model	CP12/24-10	CP12/24-15	CP12/24-20	CP12/24-30	CP12/24-40	CP12/24-50	CP12/24-60
Normal voltage	12/24V, automatic recognition						
Nominal battery charge current	10A	15A	20A	30A	40A	50A	60A
Max. PV input power	150W@12V 300W@24V	225W@12V 450W@24V	300W@12V 600W@24V	450W@12V 900W@24V	600W@12V 1200W@24V	750W@12V 1500W@24V	900W@12V 1800W@24V
PV input voltage	DC12V(15-40V)/DC24V(30-55V)						
Power conversion efficiency	Max. 90%						
Standby power consumption	<20mA (12V) / <30mA (24V)						
Length ≤ 1m charge loop drop	<0.25V						
Length ≤ 1m discharge loop drop	<0.05V						
Temperature compensation	-3 mv/°C						
USB output port	5V 2.1A						
LCD screen display	battery voltage, PV charge current, DC load discharge current, total charge Ah, total discharge Ah, the setting of constant voltage charging, the setting of low voltage cut off, the setting of low voltage recovery						
Buttons	MENU, LOAD(ON/OFF), UP, DOWN						
Ambient temperature range	-40 to +50°C						
Case protection	IP22						
Float charge	13.8V/27.6V						
Constant voltage charge	14.4V(14~15V settable) / 28.8V(28~30V settable)						
Low disconnect voltage	11V(10.4~11.4V settable) / 22V(20.8~22.8V settable)						
Low reconnect voltage	12.8V(12.2~13.2V settable) / 25.6V(24.4~26.4V settable)						
Grounding	Positive grounding						
Battery type	GEL, AGM, Lead acid battery						
Dimensions(L*W*H)	138*81*36mm			172*121*66mm			
Weight(kg)	0.15	0.15	0.15	0.7	0.82	0.82	0.82
QTY/Ctn	72pcs/box.45.3*38*33cm			18pcs/box.41.5*40*27cm			