



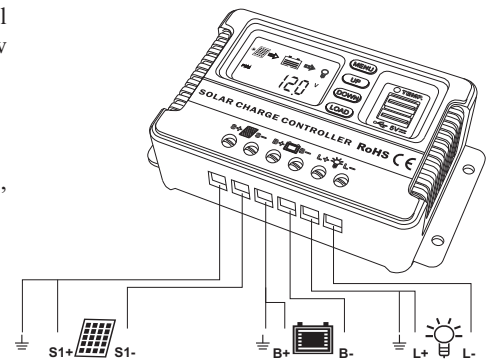
CP Series PWM Solar Charge Controller with LCD

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 | | | |
| Warranty | 1.5 years | | | | | | |