



# RTC Series PWM Solar Charge Controller

RTC PWM Solar Charge Controller designed for off-grid solar power system and control the charging as well as discharging of the various batteries which including flood type, lead acid maintenance free type, GEL type as well as lithium batteries, main function for purpose protect batteries, the intelligent charging process has been optimized for long battery life and improved system performance



LCD display



12/24V Auto



PWM



Protections



Parameters adjustable



Battery capacity percentage



Button mode



Battery type



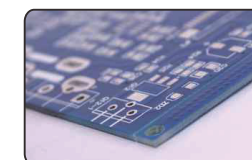
Working mode of Load



Temperature compensation



Accumulated ampere hours



Optimized circuit design



Selection of quality materials



SCM accurate control



## 10A/20A 12V/24V Auto work P W M Solar Charge Controller

- Max. discharge current: 10A/20A
- Max. input voltage voltage: 55V/100V
- LVD: 11.0V Adjust range: 9V~12V/24V x 2
- LVR: 12.6V Adjust range: 11~13.5V/24V x 2
- Float voltage: 13.8V adjust range: 13~15V/24V x 2
- Boost voltage: 14.4V , battery voltage less than 12V/24V x 2 start boost charging 2hours
- Battery over voltage protection: 16.5V/24V x 2
- With reverse connection protection
- Load over current protection every 2min restart one time
- Temperature compensation: -24mV/ °C for 12V/24V x 2
- Working temperature: -20 °C~+55 °C
- Terminal scale: 10A WG, ●Waterproof grade: Ip32
- USB output: 5V/2A, ●Self-consumption: <=12mA

Model: RT C -1024V / RT C -2024V  
Size: 168\*90\*45mm/320g  
Packing: 505\*380\*210mm/40pcs  
Gross weight: 12 kg



## 50A/60A 12V/24V Auto work P W M Solar Charge Controller

- Max. discharge current: 50A/60A
- Max. input voltage voltage: 55V/100V
- LVD: 11.0V Adjust range: 9V~12V/24V x 2/48V x 4
- LVR: 12.6V Adjust range: 11~13.5V/24V x 2/48V x 4
- Float voltage: 13.8V adjust range: 13~15V/24V x 2/48V x 4
- Boost voltage: 14.4V , battery voltage<12V/24V x 2/48V x 4 start boost charging 2hours
- Battery over voltage protection: 16.5V/24V x 2/48V x 4
- With reverse connection protection
- Load over current protection every 2min restart one time
- Temperature compensation: -24mV/ °C for 12V/24Vx2/48V x 4
- Working temperature: -20 °C~+55 °C
- Terminal scale: 10A WG, ●Waterproof grade: Ip32
- USB output: 5V/2A, ●Self-consumption: <=12mA

Model: RT C -5024V / RT C -6024V  
Size: 200\*125\*56mm/740g  
Packing: 435\*365\*275mm/24pcs  
Gross weight: 17.8 kg



## 30A/40A 12V/24V Auto work P W M Solar Charge Controller

- Max. discharge current: 30A/40A
- Max. input voltage voltage: 55V/100V
- LVD: 11.0V Adjust range: 9V~12V/24V x 2
- LVR: 12.6V Adjust range: 11~13.5V/24V x 2
- Float voltage: 13.8V adjust range: 13~15V/24V x 2
- Boost voltage: 14.4V , battery voltage less than 12V/24V x 2 start boost charging 2hours
- Battery over voltage protection: 16.5V/24V x 2
- With reverse connection protection
- Load over current protection every 2min restart one time
- Temperature compensation: -24mV/ °C for 12V/24V x 2
- Working temperature: -20 °C~+55 °C
- Terminal scale: 10A WG, ●Waterproof grade: Ip32
- USB output: 5V/2A, ●Self-consumption: <=12mA

Model: RT C -3024V / RT C -4024V  
Size: 192\*106\*45mm/475g  
Packing: 415\*260\*355mm/30pcs  
Gross weight: 14.3 kg



## 50A/60A 12V/24V/48V Auto work P W M Solar Charge Controller

- Max. discharge current: 50A/60A
- Max. input voltage voltage: 55V/100V
- LVD: 11.0V Adjust range: 9V~12V/24V x 2/48V x 4
- LVR: 12.6V Adjust range: 11~13.5V/24V x 2/48V x 4
- Float voltage: 13.8V adjust range: 13~15V/24V x 2/48V x 4
- Boost voltage: 14.4V , battery voltage<12V/24V x 2/48V x 4 start boost charging 2hours
- Battery over voltage protection: 16.5V/24V x 2/48V x 4
- With reverse connection protection
- Load over current protection every 2min restart one time
- Temperature compensation: -24mV/ °C for 12V/24Vx2//48V x 4
- Working temperature: -20 °C~+55 °C
- Terminal scale: 10A WG, ●Waterproof grade: Ip32
- USB output: 5V/2A, ●Self-consumption: <=12mA

Model: RT C -5048V / RT C -6048V  
Size: 200\*125\*56mm/740g  
Packing: 435\*365\*275mm/24pcs  
Gross weight: 17.8 kg