

RSC Series MPPT Solar Charge Controller



Features

- Advanced Maximum Power Point Tracking (MPPT) technology, with efficiency no less than 99.5%.
- High quality components, perfecting system performance, with maximum conversion efficiency of 98%.
- Ultra-fast tracking speed and guaranteed tracking efficiency.
- Reliable automatic limit function of maximum PV input power, ensuring no overload.



Technical Specification

Model	RT-3024V	RT-6048V	RT-8548V	RT-10048V
System Voltage	12V/24V-Auto	12V/24V/36V/48VAuto	12V/24V/36V/48VAuto	12V/24V/36V/48VAuto
No-Load Loss	0.7W-to-1.2W	0.7W-to-1.2W	0.54W	0.54W
Battery Voltage	9V to 35v	9V to 70v	9V~64v	9V~64v
Max.Solar Input	100V(25°)90V(25°)	150V(25°)145V(25°)	150V(25°)240V(25°)	150V(25°)240V(25°)
Max.power point voltage range	Battery-V+2Vto75V	Battery-V+2Vto120V	Battery-V+2Vto180V	Battery-V+2Vto180V
Rated Churcing Current	30A	60A	85A	100A
Rated Load Current	20A	20A	85A	100A
Max.capacitive load capacity	1000UF	1000UF	1200UF	1200UF
Max. Photovoltaic system Input Power	260W-12v/520W/24v	800W-12v/1600W/24v/2400W/36V/3200W/48V	1100W-12v/1600W/24v/2400W/36V/3200W/48V	1320W-12v/2640W24v/5280W48V
Conversion Efficiency	>98%	>98%	>98%	>98%
MPPT,Tracking Efficiency	>99%	>99%	>99%	>99%
Temperature, compensation, factor	-3mv/c°/2v(default)	-3mv/c°/2v(default)	-3mv/c°/2v(default)	-3mv/c°/2v(default)
Operating ,Temperature	-35C°to 45°C	-35C°to 45°C	-35C°to 65°C	-35C°to 65°C
Protection, degree	IP 32			
Weight	2Kg	3.6Kg	5.7kG	5.75
Communication, method	RS 232	RS 232 RS 485	RS 232 RS 485	RS 232 RS 485
Altitude	<3000m	<3000m	<3000m	<3000m
Product dimensions	238*173*72.5mm	285*205*93mm	314*259*121mm	314*259*121mm