

SOLAR CHARGE CONTROLLER

SPECIALIZED FOR SOLAR PV POWER SYSTEM

RG-CN SERIES

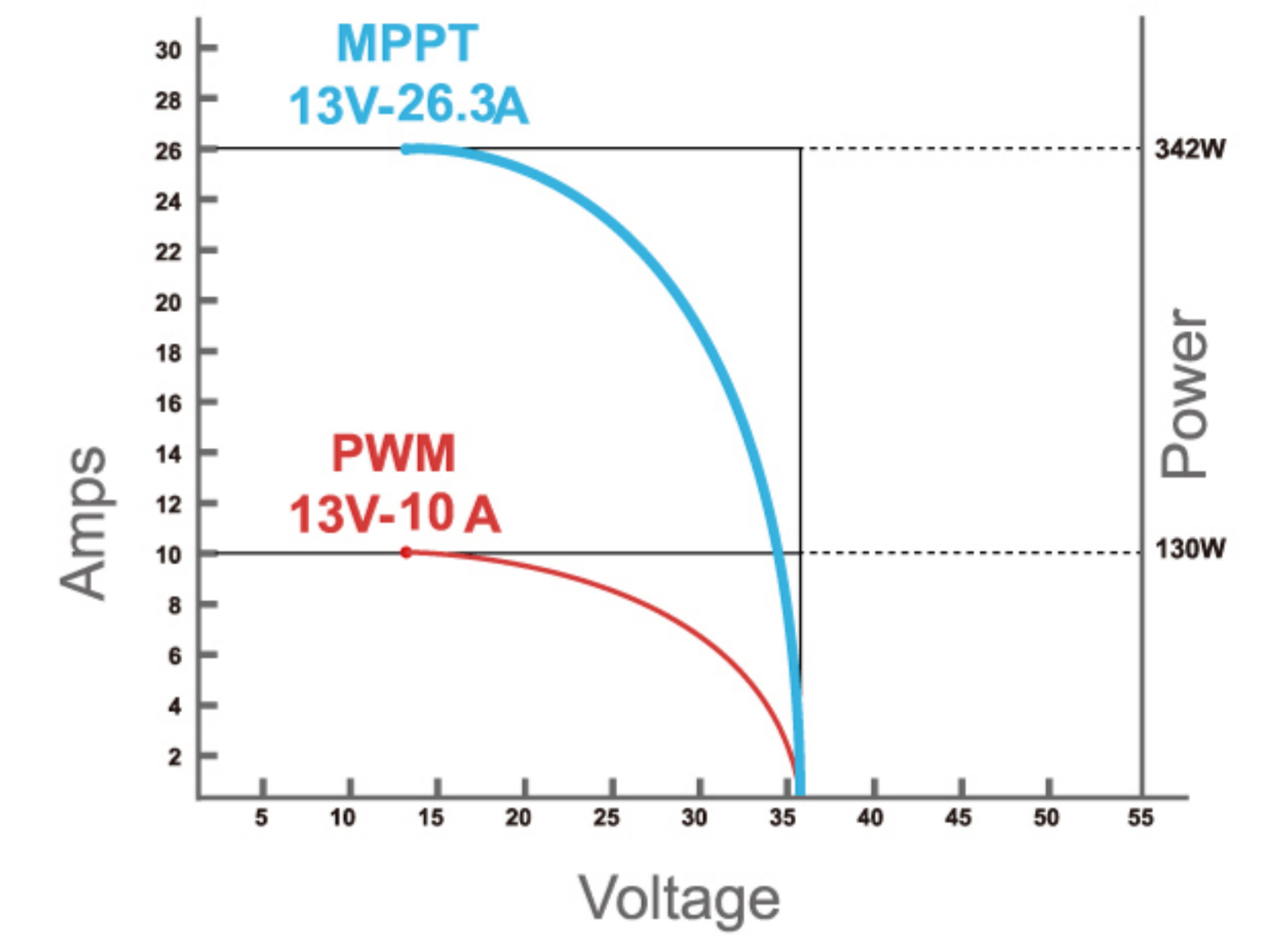
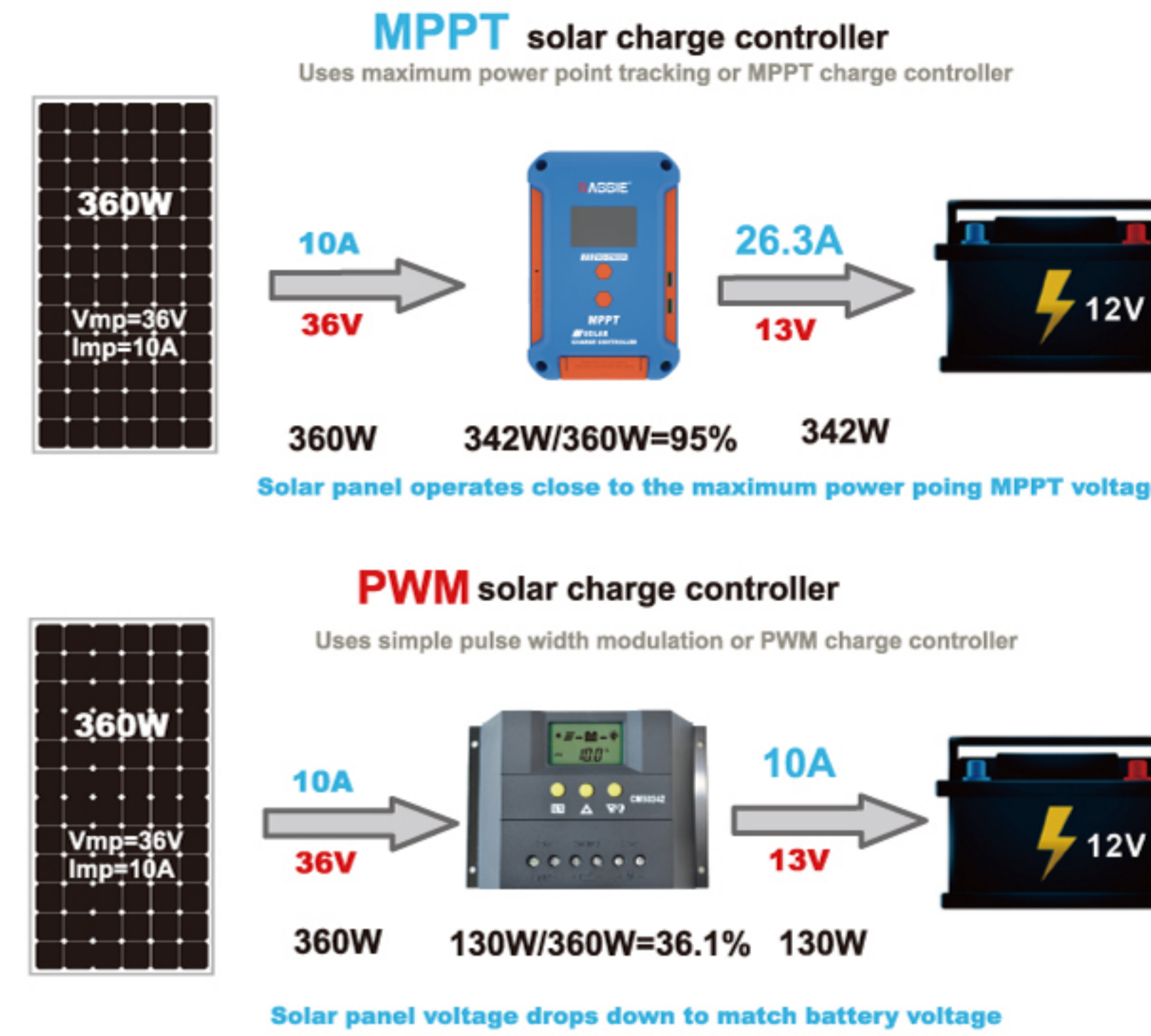
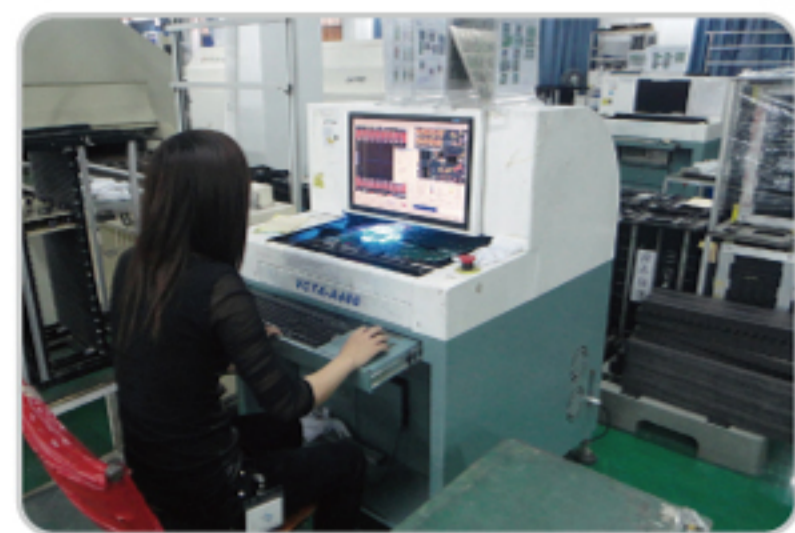
MPPT

Original
Quality Certification
Made By Raggie



RG-CN SERIES

This series product adopted positive design with LCD displaying. Base on MPPT technology, which track the maximum power point of PV array exactly and quickly in any condition. Obtain Max power from solar panel anytime, increased the charging efficiency of solar panel. Used for communication system, off-grid solar system, solar street light system and field monitoring. Excellent digital protect function and professional connector maximum degree avoid damage due to system fault or installation error.



This comparison highlights the problem with using a higher voltage solar panel on a 12V battery without MPPT

FEATURES

- Advanced MPPT maximum power point tracking technology, the tracking efficiency is no less than 99.5%.
- High quality components are used to improve the system performance, and the maximum conversion efficiency can reach 97%.
- Super fast maximum power tracking speed while ensuring tracking efficiency.
- Accurate identification and tracking of the maximum power point of multi-wave peak.
- Reliable maximum input power of pv array to ensure the safety of equipment.
- Wide pv array maximum power point operating voltage range.
- 12/24v automatic voltage identification
- The LCD is designed to dynamically display the operation data and working status of the equipment.
- Various load control modes: general mode, light control mode, dual time mode, pure charger mode and timing mode.
- Seal, GEL, Flooded, LifePO4 and Li(NiCoMn)O2 charging process can be selected.
- The function of battery temperature compensation.
- Power statistics recording function.
- Double USB design, the power supply charge for electronic equipment.

Model	RG-CN10	RG-CN20	RG-CN30	RG-CN40	RG-CN50	RG-CN60
Max.Input Current	10A	20A	30A	40A	50A	60A
PV Max Input Power	12V-130W 24V-260W	12V-260W 24V-520W	12V-390W 24V-780W	12V-520W 24V-1040W	12V-650W 24V-1300W	12V-780W 24V-1560W
Max.Input Voltage	<75V			<100V		
Battery Voltage	12V/24V Auto work					
Voltage range of battery	8-32V					
Storage Temperature	-30℃~+80℃					
Battery type	User default, Sealed.Flooded, GEL. LiFePO4					
Operating Temperature	-20℃~+55℃ (To run at ful rated current continuously)					
Temperature compensation coefficient	-4mV/C(25℃)					