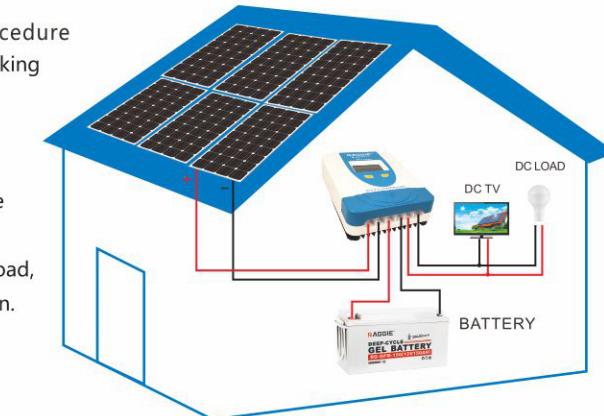




FEATURES

- 32bits CPU, sampling precision is higher, operation speed is faster
- 12V/24VDC Automatic Identification System Voltage
- 3 stages PWM charging: Bulk, Boost, Float
- Sealed, Gel, Flooded, LiFePO4, Li(NiCoMn)O2 battery selection procedure
- Humanized LCD displaying, dynamic display operation data and working state.
- Built-in operation log, account system working state
- Multi load control mode: Normal mode, Sensor mode, Timer mode
- Temperature Compensation Function and Controller Over Temperature Protection Function
- Fullest digital protection functions: Overcharging,Over-discharging,Overload, Short Circuit, Reverse Connection, Controller Over-Temperature and so on.
- colorful connector distinguish plus and minus poles.
- 5V 2.4A USB output (10A 20A and 48V 5V 1A)



Model	RG-CH10	RG-CH20	RG-CH30	RG-CH40	RG-CH50	RG-CH60
Charge and load current	10A	20A	30A	40A	50A	60A
Size (L × W × H)mm	165×120×39.4		170×130×50	190×145×55	190×145×56	
Mounting holes distance (A×B)mm	84 × 115.3		111×131	128×124	128×124	
Weight (g)	210	340		450	650	740
Terminal scale	10mm ²		16mm ²	25mm ²	25mm ²	25mm ²
System Voltage		12V/24V				
PV Max Input Voltage		55V				
System Voltage			48V			
PV Max Input Voltage			100V			
Self-consumption			≤10mA			
Max Charging current			10A/20A/30A/40A/50A/60A			
Max Discharging current			10A/20A/30A/40A/50A/60A			
LVD			11.0V ADJ 9V...12V ; ×2/24V ; ×4/48V			
LVR			12.6V ADJ 11V....13.5V ; ×2/24V ; ×4/48V			
Float Voltage			13.8V ADJ 13V....15V ; ×2/24V ; ×4/48V			
Boost Voltage			14.4V ADJ 13V....17V ; ×2/24 ; ×4/48V battery voltage less than 12.6v auto boost 2hours			
Battery Over Voltage Protection			16.5V ; ×2/24V ; ×4/48V			
Reverse Connection Protection			yes			
Load Over Current Protection			Yes, each 30s auto restart again			
Controller Over Temperature Protection			Yes			
Charging Type			PWM			
Temperature Consumption			-24 mV /°C for 12Vsystem ; ×2/24V ; ×4/48V			
Working Temperature			-20°C---+55°C			
Waterproof grade			IP32			