

# SOLAR CHARGE CONTROLLER

SPECIALIZED FOR SOLAR PV POWER SYSTEM

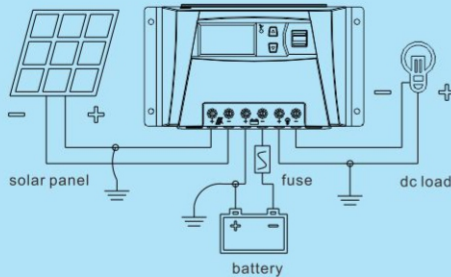
**RG-7 SERIES**



Pat No: ZL 2015 3 0433479.3



**RG-7 series** is a new series of intelligent multi-purpose solar charge controller. Its innovative design makes it easy to install and quite user-friendly. Optimized charging and discharging management extends the service life of batteries considerable. Meanwhile, parameter are explicitly displayed. Most parameter values can be set to meet various applications.



- (1) Connect components to the charge in the sequence as shown above and pay much attention to the "+" and "-".
- (2) After power on the controller, check the LCD on.
- (3) The battery fuse should be installed as close to battery as possible.
- (4) The RG-7 series is a positive ground controller.

### Features:

- Multi-stage PWM charging
- Preset charging parameters for three battery types.
- Detecting mode for battery voltage level is adjustable
- Temperature compensation is applied
- Optional communication function
- Various controlling mode for load
- Protection against over-current and short circuit of load
- Protection against internal over-heat
- Protection against reverse connected solar panel and input over-current



Model	RG-710SL	RG-720SL	RG-730SL	RG-750SL	RG-760SL
System Voltage	12/24V DC Auto. Distinguish, 48V Option				
Max Charge Current	10A	20A	30A	50A	60A
Max Discharge Current	10A	20A	30A	50A	60A
Pv voltage input	<50V(12V/24V), <100V(48V)				
Battery type	GEL,SLD ,FLD and USr(default)				
USB output	5V/1.5A(12V/24V), None(48V)				
Float Voltage	13.8v(13v~15v)*1/2/*4				
Charge Type	PWM				
Low Voltage Reconnect Voltage(LVR)	12.6v(10~14v)*1/2/*4				
Low Voltage Disconnect Voltage(LVD)	10.8v(10~14v)*1/2/*4				
Working Temperature	-20℃~50℃				
Degree of Protection	IP30				
Overall Dimension(mm)	64*150mm-Ø5	178*101.4*45mm	196*111.2*53.7mm	188*133*51.5mm	188*133*59mm
N.W(g)	283g	290g	406g(12/24v) 409g(48v)	595g(12/24v) 600g(48v)	735g(12/24v) 740g(48v)