

# Solar Charge Regulator

MODELS: LL-REG-12v-5A-HD



**FLOAT Charging (Battery 100%)**

**Battery Level**



**Reversed Solar Polarity**

- Correct solar panel wiring



**NOT CHARGING / Blown Fuse**

- NOT Charging audio alarm + LED Light
- Check Regulator is connected to battery
- Check & Replace Blown Fuse



**FAST Charging  
(Battery < 100%)**



**Red Constant**

- Low Battery Warning

**Red Flashing:**

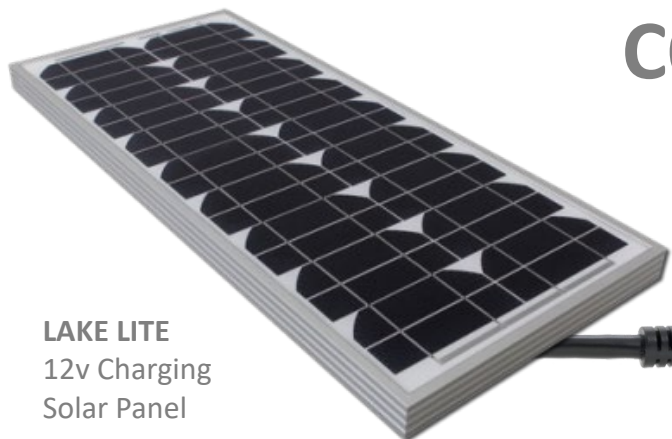
- VERY Low Battery Warning
- No battery detected



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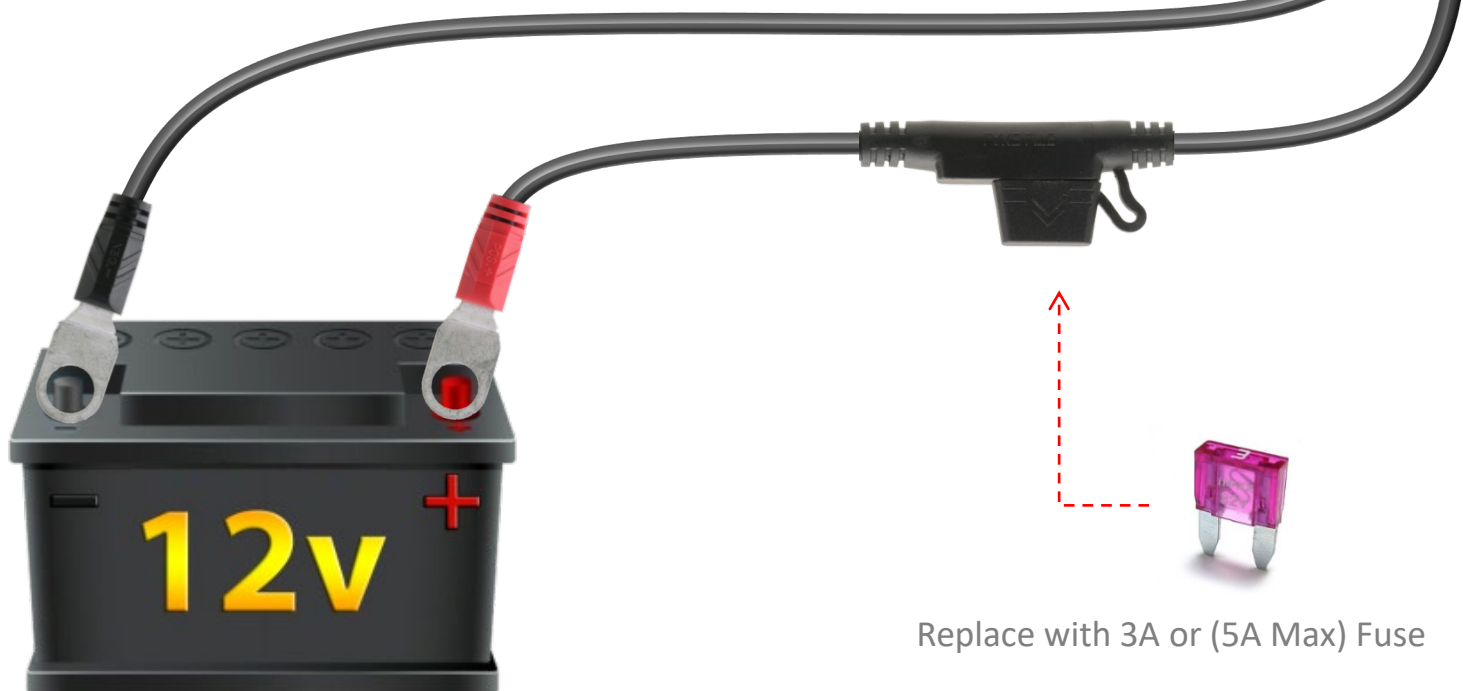
## CONNECTION DIAGRAM



LAKE LITE  
12v Charging  
Solar Panel



Extension  
Wire



Replace with 3A or (5A Max) Fuse



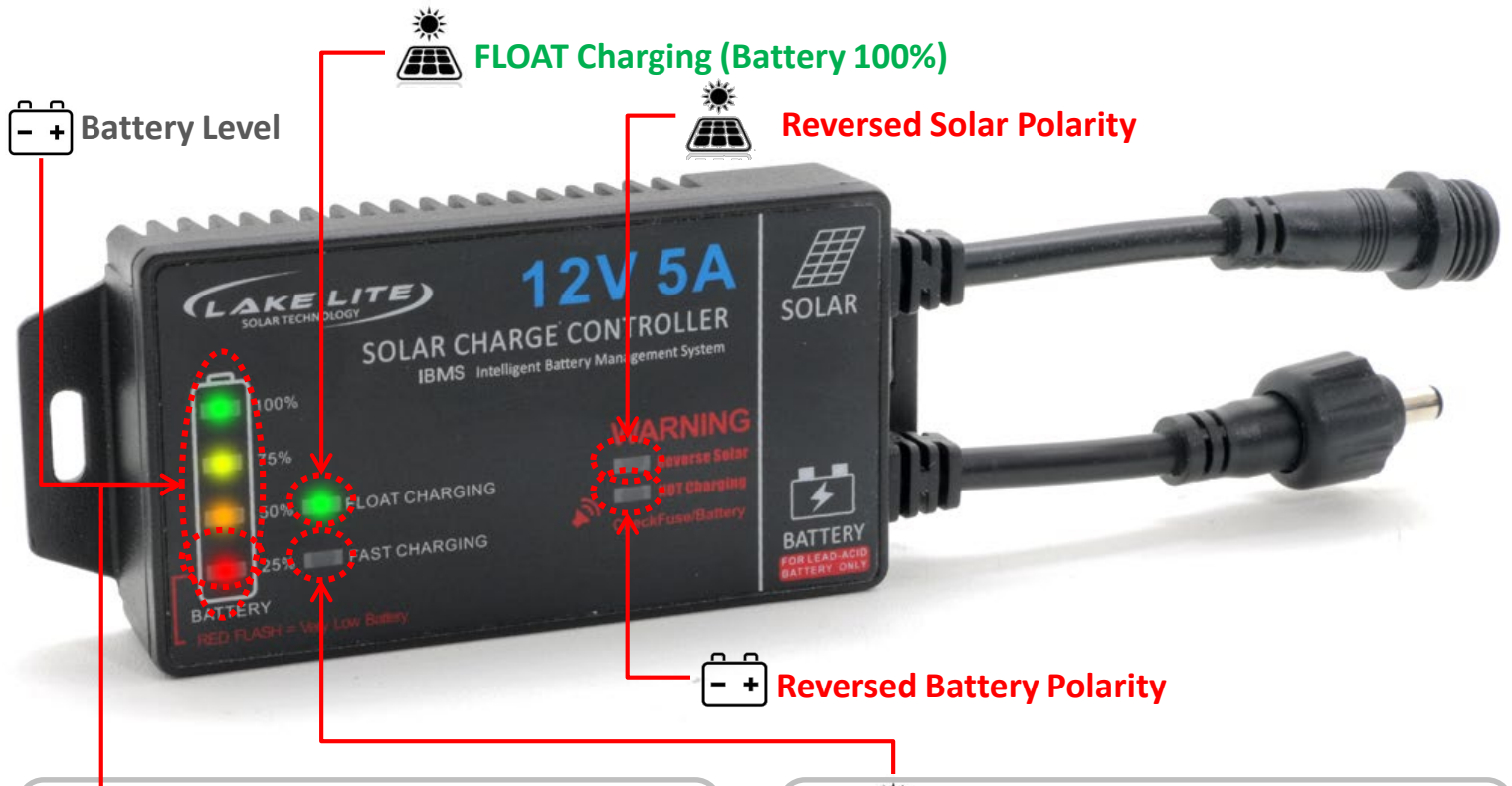
Lake Lite Inc.  
105 W Simon St  
Laotto, IN 46763

Phone: 260-918-2758  
Fax: 260-918-3540  
E-mail sales@lakelite.com

www.lakelite.com

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## BATTERY LED INDICATORS

LED COLOR	DESCRIPTION
GREEN - FLASHING	Over Voltage Detected: Regulator will self correct
GREEN - CONSTANT	High Battery Level
YELLOW - CONSTANT	Medium – High Battery level
ORANGE - CONSTANT	Medium Battery Level
RED - CONSTANT	Very Low Battery Level Limit Battery Use
RED - FLASHING	Extremely Low Battery <b>OR (BLOWN FUSE) &amp; NOT CHARGING</b>
OFF	<b>Blown Fuse</b> or No Power



## SOLAR LED INDICATORS

TIME	LED COLOR	DESCRIPTION
DAY	GREEN-CONSTANT	Float Charging
DAY	BLUE - CONSTANT	Fast Charging
DAY	OFF	No power from Solar Panel Check connections, & solar panel.
NIGHT	OFF	<i>Solar Panel is NOT Charging due to lack of sunshine</i>



**WARNING**



**WARNING**



**Reverse Solar**

**NOT Charging**

Solar Panel Polarity is reversed / backwards. Check & correct connections. Likely inside the black box on back of solar panel.

Check regulator is connected to battery correctly



**Check & Replace Blown Fuse**



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## Owner Registration Card

Please fill out and affix proper postage and return this owner registration card **within 10 days** to insure that your new Regulator is covered by the limited warranty.

Purchaser's Name \_\_\_\_\_

Address \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Purchase Date: \_\_\_\_\_ Number of Units: \_\_\_\_\_

Where Purchased (Store Name): \_\_\_\_\_

Model No. LL-REG-12v-5A-HD

UPC No. Varies On Different Models

Lake Lite Inc.  
105 W Simon St. Laotto, IN 46763

## Lake Lite Inc. 1-Year Limited Warranty

The retailer warrants the Solar Regulator to be free from defects in workmanship and material present at time of shipment from the factory for a period of one year after the date of purchase by the original purchaser. We agree to correct such defects without charge or at our option replace with a comparable or superior model if the product is returned to the retailer. To obtain warranty service, you must present a copy of the receipt as proof of purchase. All costs of removing and reinstalling the product are your responsibility. Damage to any part such as by accident or misuse or improper installation or by affixing any accessories, is not covered by this warranty. There is no other express warranty. The retailer hereby disclaims any and all warranties, including but not limited to, those of merchantability and fitness for a particular purpose to the extent permitted by law. The duration of any implied warranty, which cannot be disclaimed, is limited to the time period as specified in the express warranty. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. The retailer shall not be liable for incidental, consequential, or special damages arising out of or in connection with product use or performance except as may otherwise be accorded by law. Some states do not allow the exclusion of incidental or consequential damage, so the above exclusion or limitation may apply to you. This warranty gives specific legal rights, and you may also have other rights, which vary from state to state. This warranty supersedes all prior warranties.



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