

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



Lake Lite Inc.
100 Industrial Dr.
Avilla, IN 46710

Phone: 260-918-2758
E-mail sales@lakelite.com
Website www.lakelite.com

Solar Charge Regulator

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CONNECTION DIAGRAM



LAKE LITE
12v Charging
Solar Panel



Extension
Wire



Replace with 3A or (5A Max) Fuse

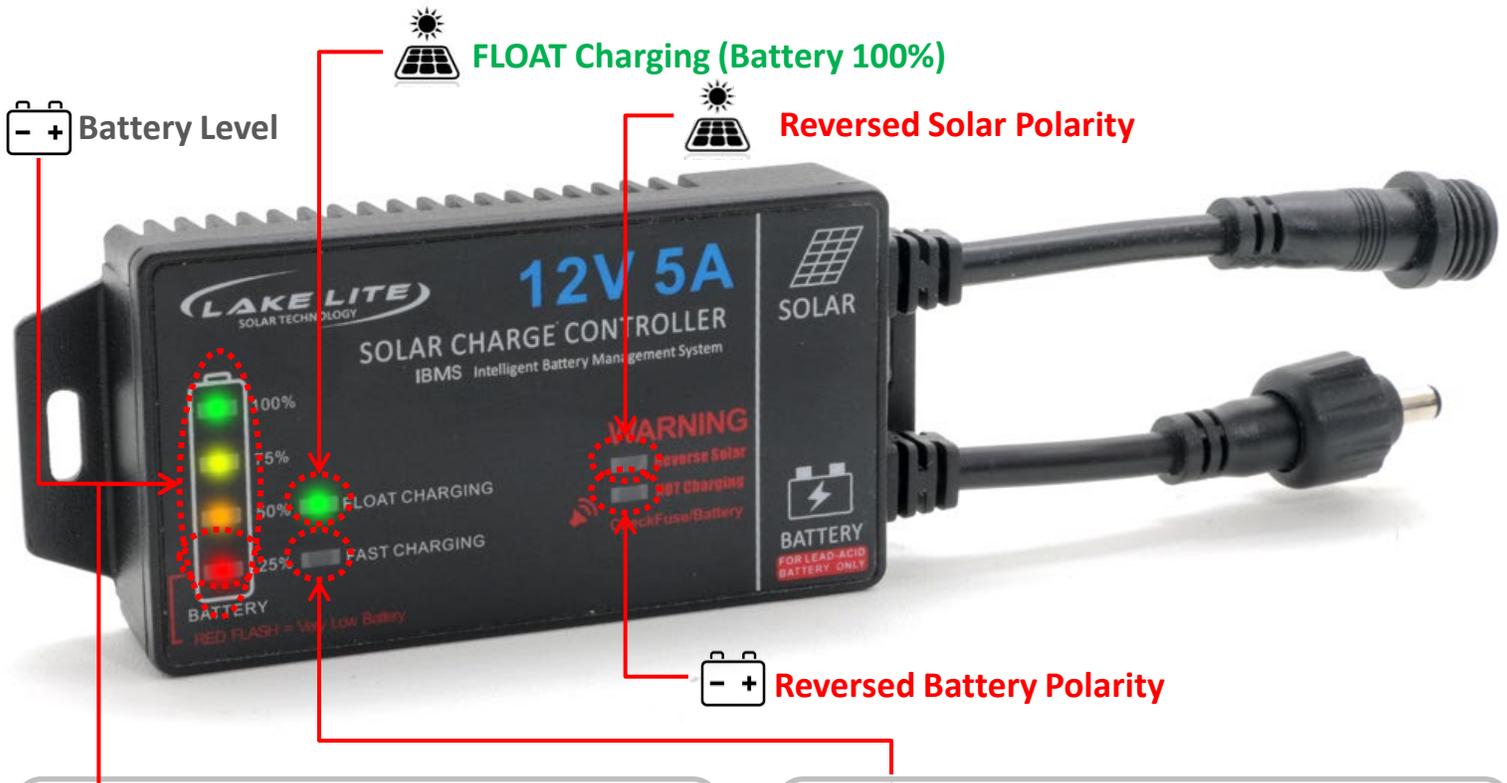


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BATTERY LED INDICATORS

LED COLOR	VOLTAGE	DESCRIPTION
GREEN (FLASHING)	$\geq 15.2v$	Over Voltage Detected: (Regulator will self Correct)
GREEN (CONSTANT)	$\geq 12.6v$	High Battery Level
YELLOW (CONSTANT)	12.2 - 12.6v	Medium – High Battery level
ORANGE (CONSTANT)	11.5 - 12.2v	Medium Battery Level
RED (CONSTANT)	11.2 - 11.5v	Very Low Battery Level Limit Battery Use
RED (FLASHING)	$\leq 11.2v$	Extremely Low Battery (or Blown Fuse & Not Charging)
OFF	-	Blown Fuse 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	Solar Panel is NOT Charging due to lack of sunshine



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.
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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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