



LAKE LITE INC.

Single 10w



Single 10w
Mounting Arm

Great for charging a single 12v battery operated lift system.

Dual 10w's



Dual 10w
Mounting Arm

Great for charging dual batteries used in a 24v lift system, or charging a single 12v battery on two boat lifts that are near each other.

Single 20w



Single 20w
Mounting Arm

Great for charging dual batteries used in a 24v lift system. (Requires automatic 12/24v charge controller). Also Great for charging a single 12v battery lift system that is used frequently with larger lifts and boats. (Requires automatic 12/24v charge controller)



Charging options for all lifts & systems

Fits Round, Square, & Rectangle Lifts

Strong Angle Adjustable





LAKE LITE INC.

LL-SP-10W (10 WATT)

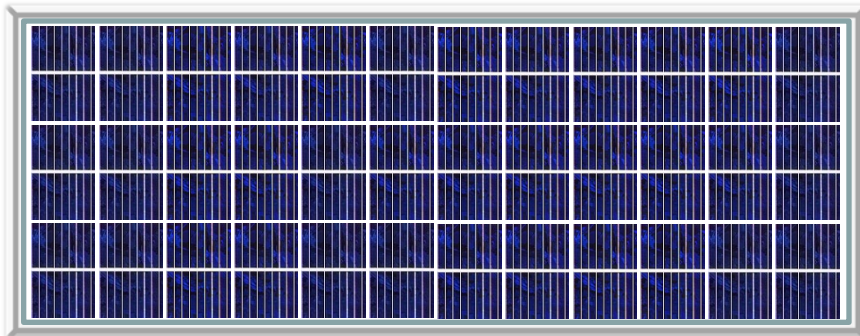


291mm

351mm



LL-SP-20W (20 WATT)



291mm

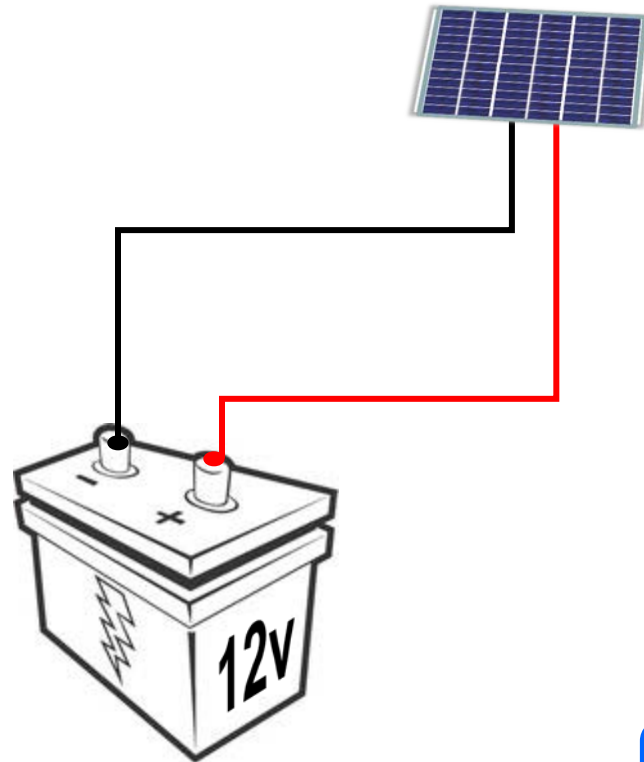
682mm



Single 5w-12v solar module charging a single 12v battery



LLSP-5w-12v

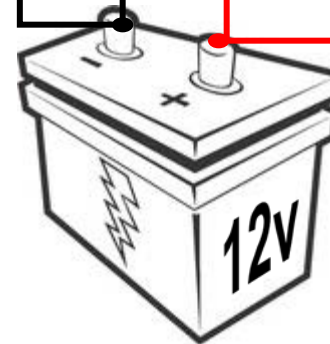


Single (10w-12v) or (15w-12v) solar module charging a single 12v battery

LLSP-10w-12v
Or
LLSP-15w-12v



(-) Negative to System



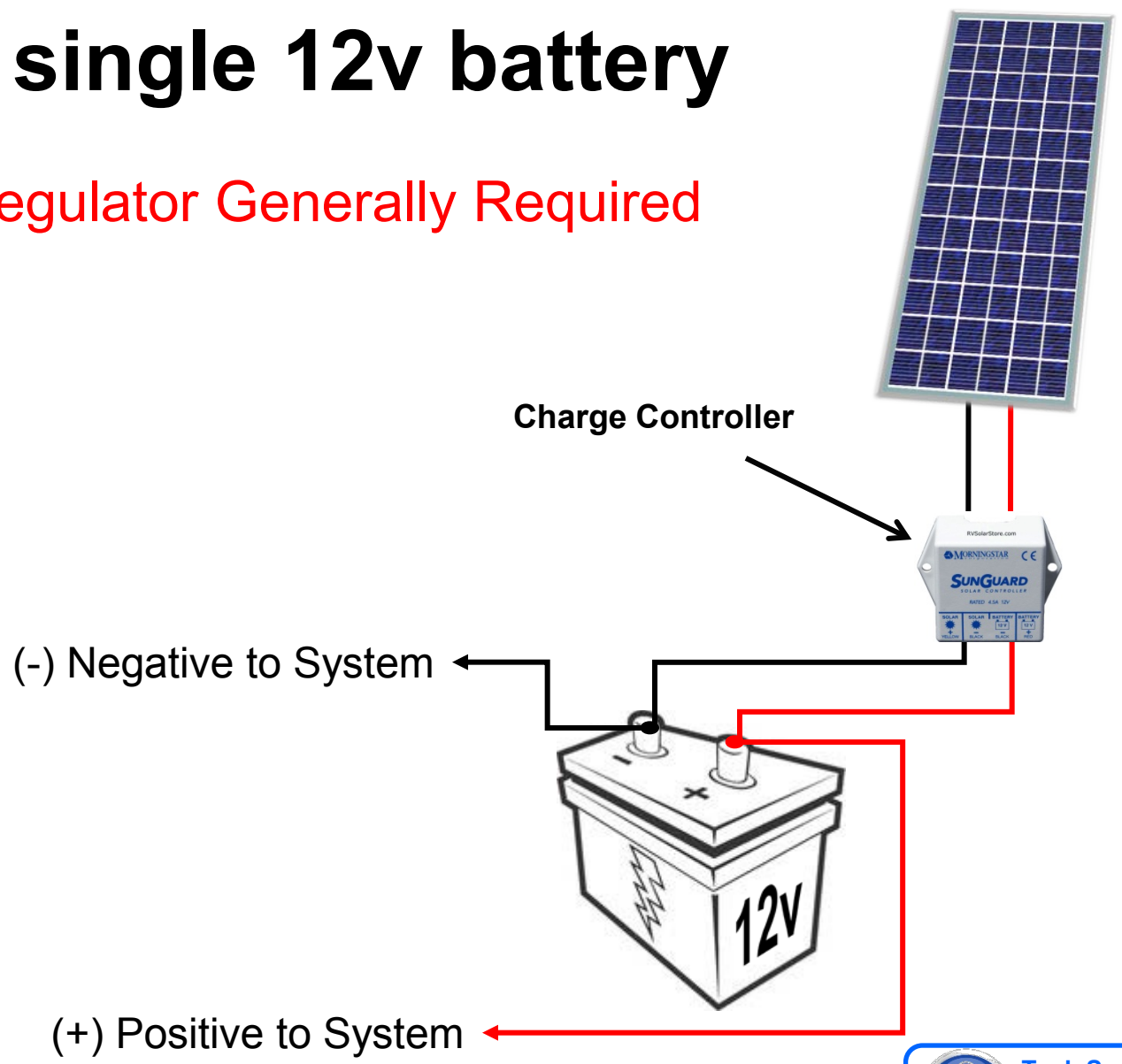
(+) Positive to System



Single 20w-12v solar module charging a single 12v battery

LLSP-20w-12v

NOTE: Charge Regulator Generally Required



Single 20w-12v Solar module Charging parallel 12v Batteries

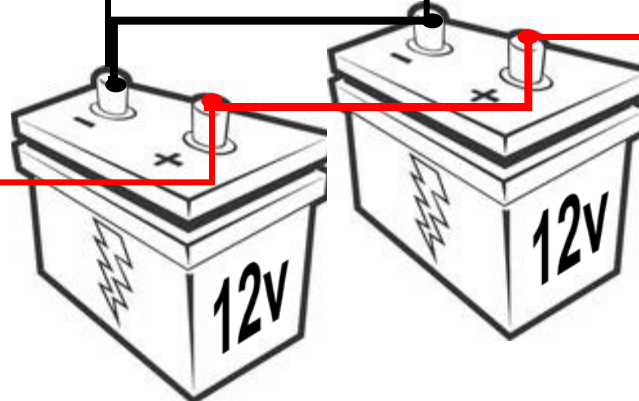
LLSP-20w-12v

NOTE: No Charge regulator required.

(+) Positive to System

(-) Negative to System

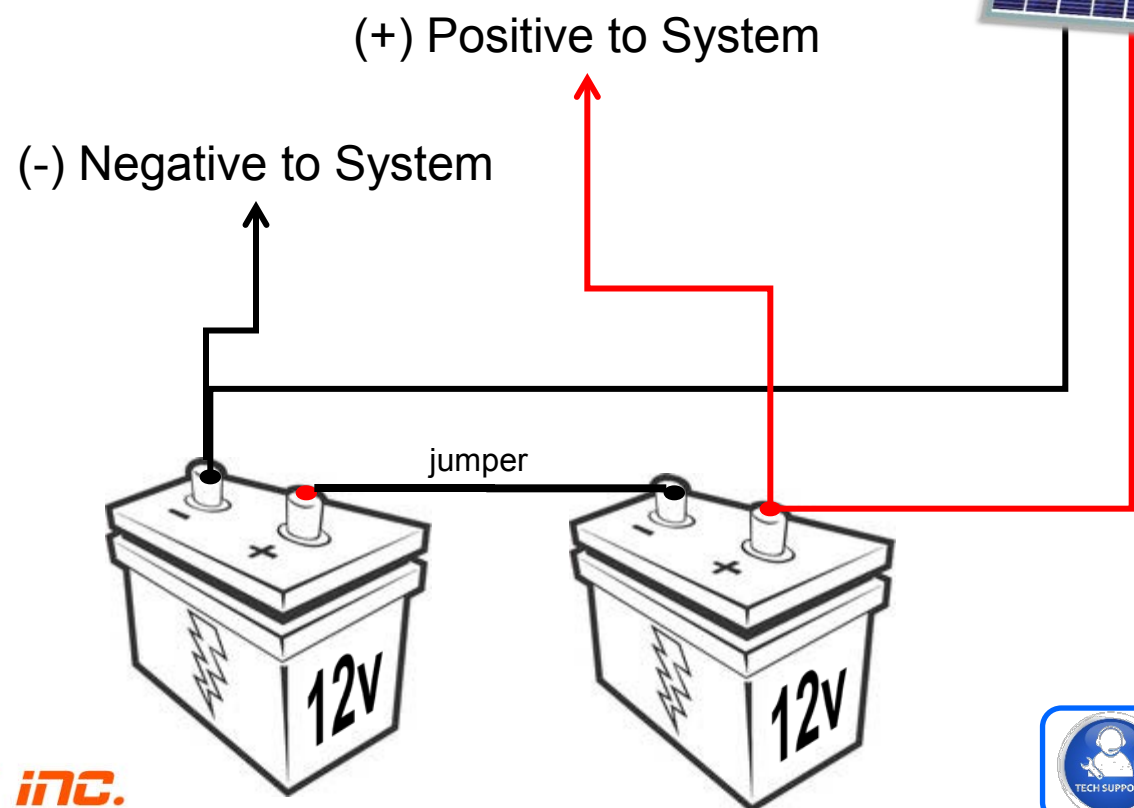
jumper



Single 20w-24v solar module charging two 12v batteries in a 24v configuration

LLSP-20w-24v

NOTE: Specially designed solar module for 24v systems only: DO NOT use this solar module on a single 12v battery as it will damage the battery.



High Power Use 24v System

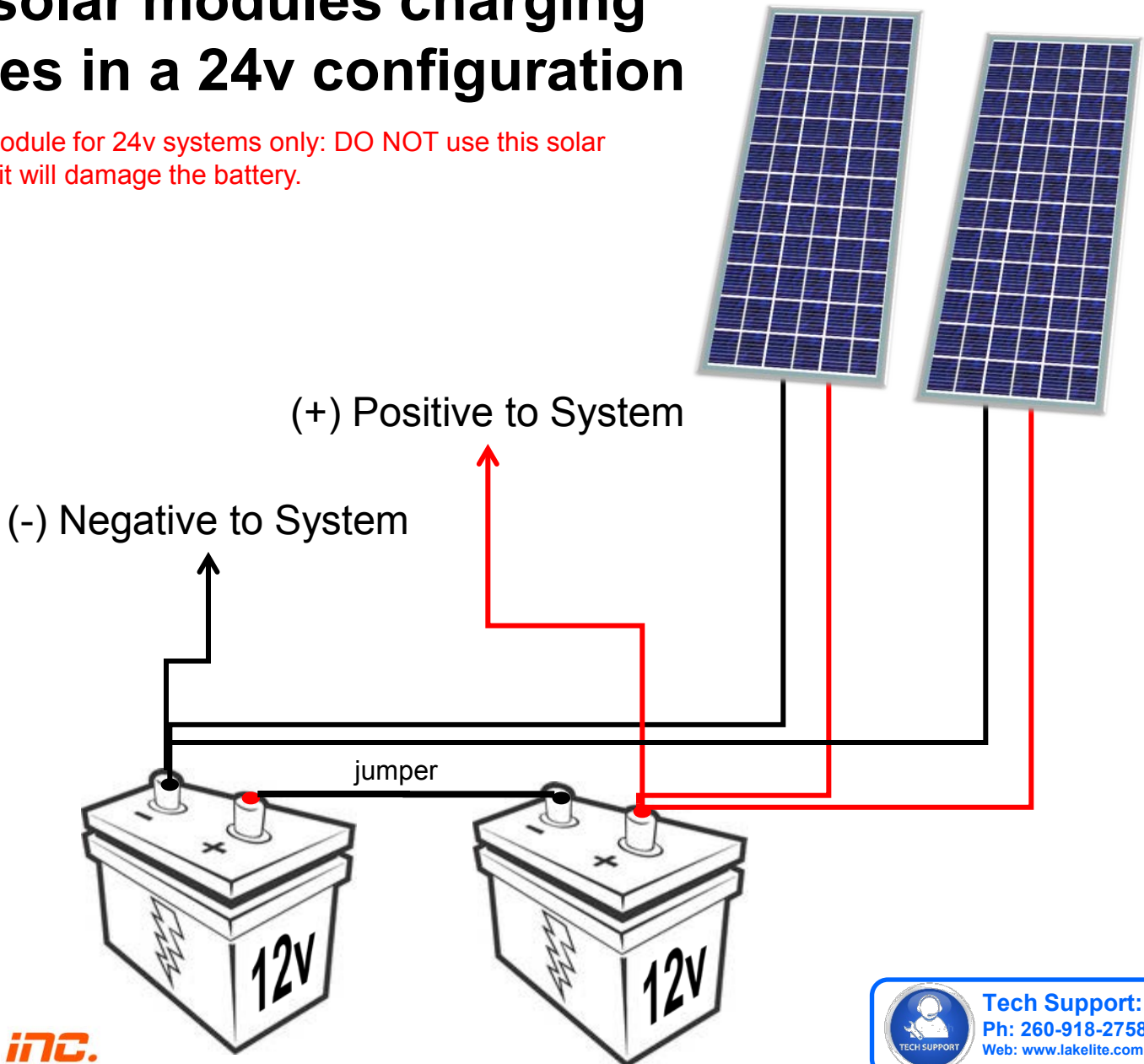
TWO 20w-24v solar modules charging two 12v batteries in a 24v configuration

NOTE: Specially designed solar module for 24v systems only: DO NOT use this solar module on a single 12v battery as it will damage the battery.



LLSP-20w-24v

LLSP-20w-24v

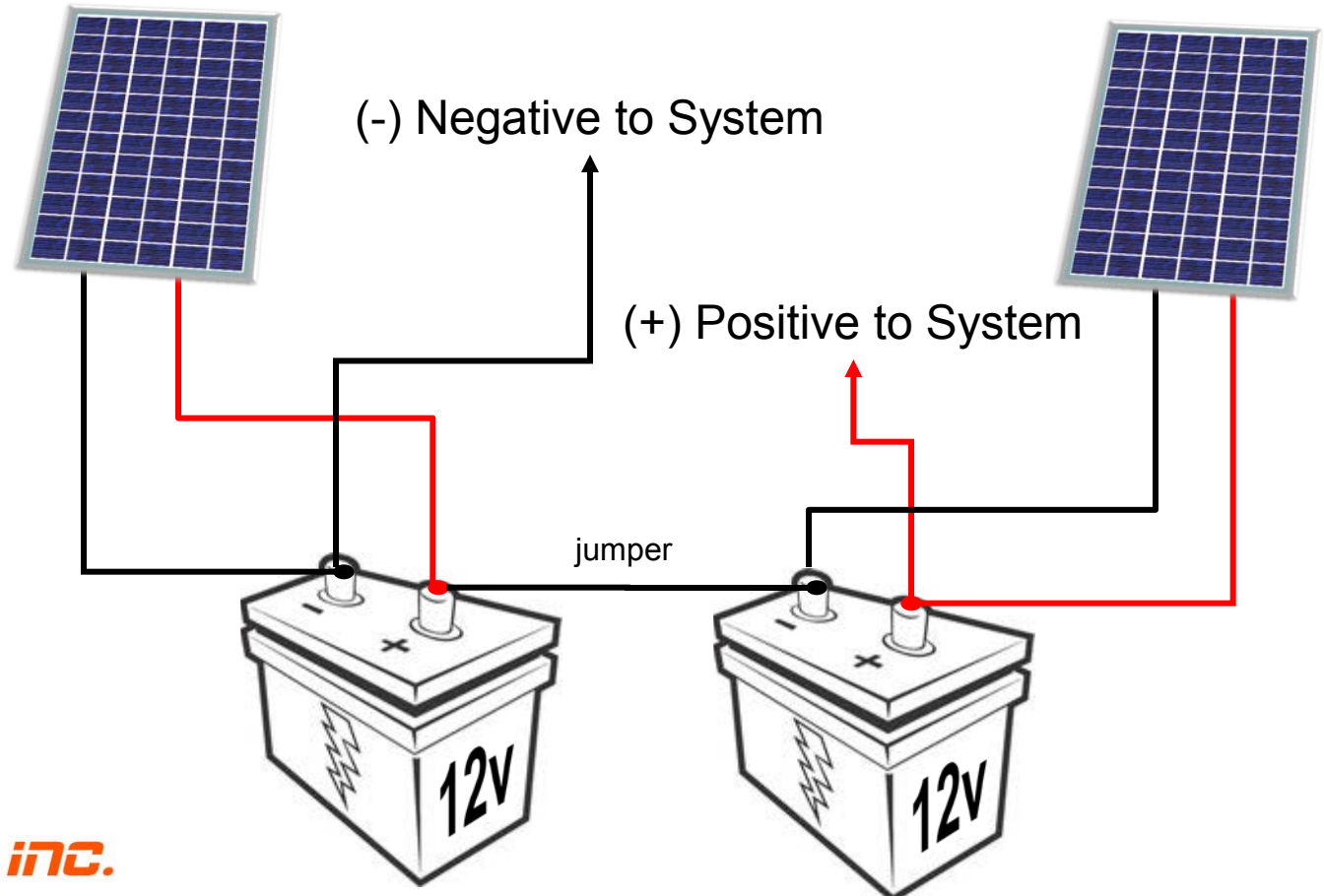
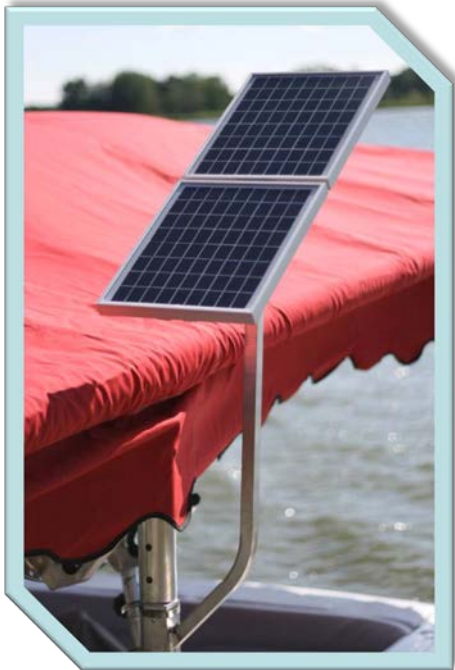


Two 10w-12v solar modules charging two 12v batteries in a 24v configuration

NOTE: This method is an older way of wiring, It MAY result in unequal charging due to slight difference between solar modules and differences between both batteries. We **HIGHLY** suggest you go to the next diagram to wire the modules in series for equal charging to both batteries.

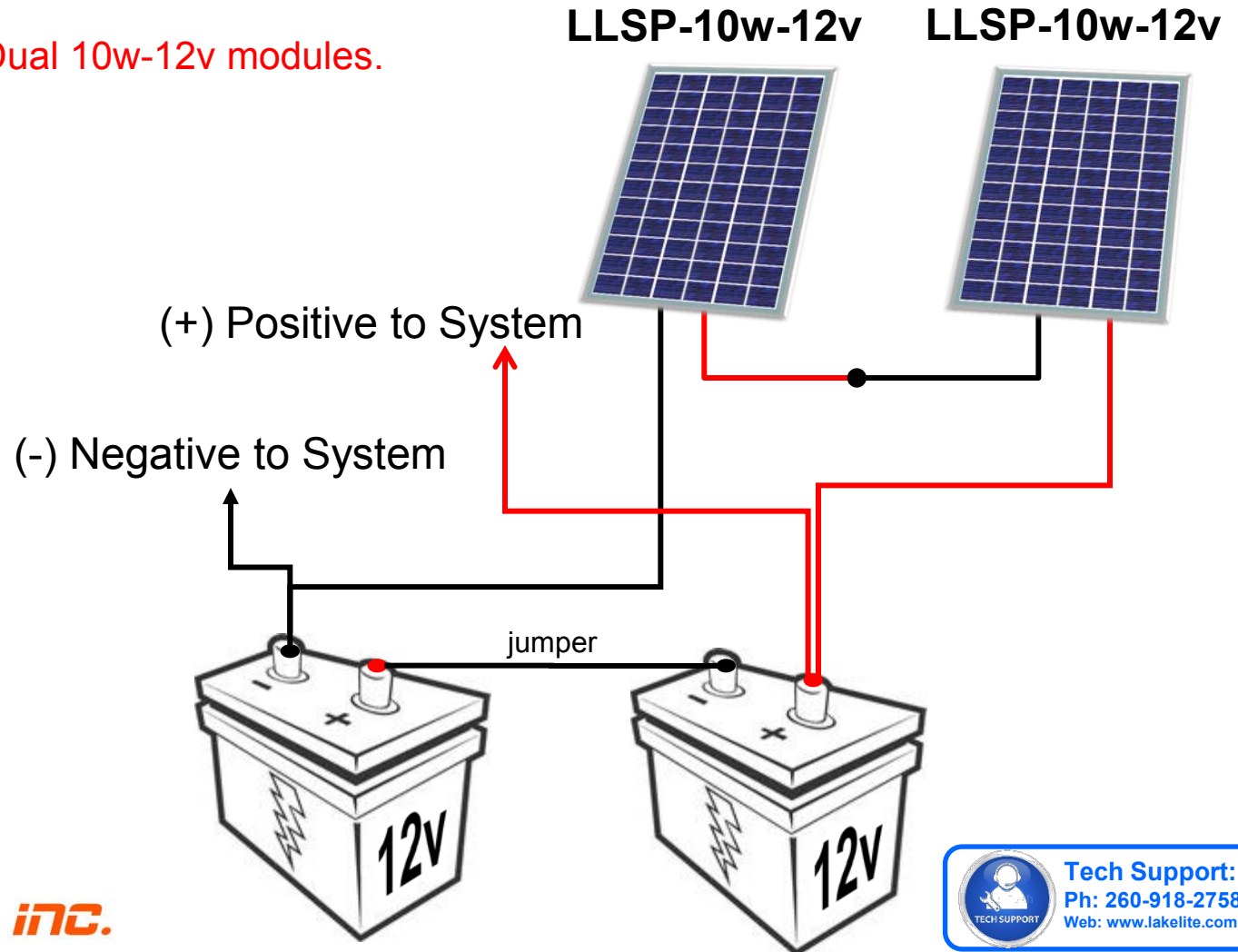
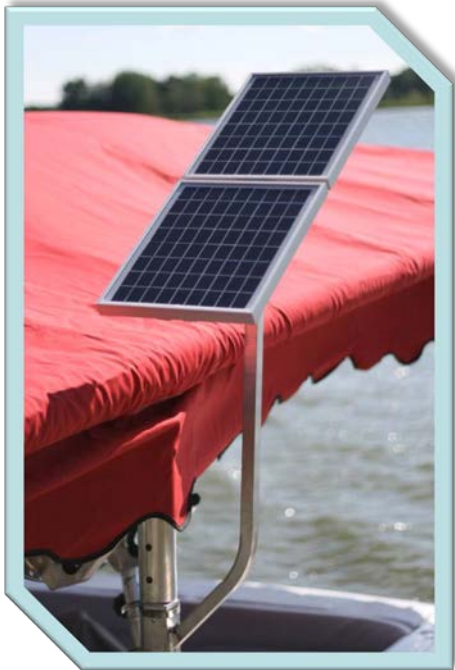
LLSP-10w-12v

LLSP-10w-12v



Two 10w-12v solar modules wired in series to charge two 12v batteries in a 24v configuration

NOTE: Best Method for Dual 10w-12v modules.



DUAL Purpose Solar Module System:

- One Charging a 12v Lift Battery
- One Charging a 12v Boat Battery

NOTE: Regulator recommended for modules larger than 10w.

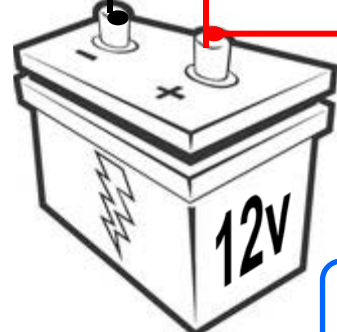
LLSP-5w-12v
LLSP-10w-12v
LLSP-15w-12v
LLSP-20w-12v

LLSP-5w-12v
LLSP-10w-12v
LLSP-15w-12v
LLSP-20w-12v



(-) Negative to System

(+) Positive to System



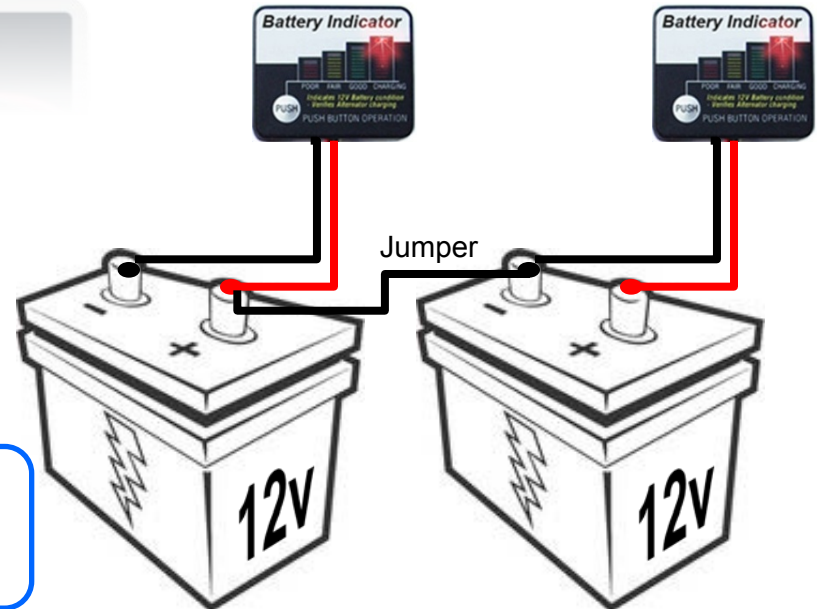
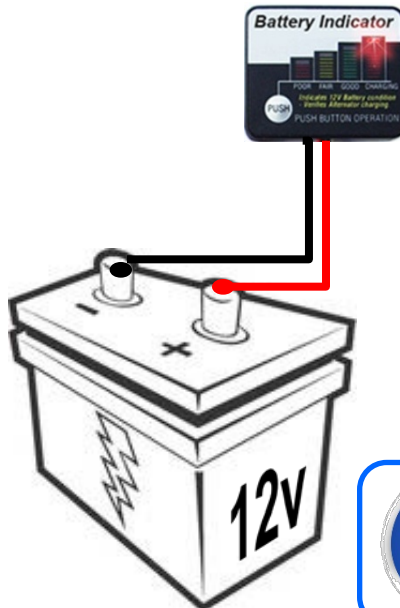
Battery Status Indicator

Perfect for displaying your battery status and level of charge. Simply push the button to test and check status and if your battery is properly charging.



12v Lift systems
1-Unit Required

24v Lift systems
2-Units Required



 **Tech Support:**
Ph: 260-918-2758
Web: www.lakelite.com

Included Parts



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Dual & Single Hanging Battery Trays Models: LL-BLBT-H & LL-BLBT-H-2

Hanging Battery Trays:

1. Hang Tray over horizontal canopy beam.
2. Position Tray so that vertical boat lift post is behind the tray so that the tray is resting at a level position.
3. Place Battery on Tray.

Single Hanging Battery Tray

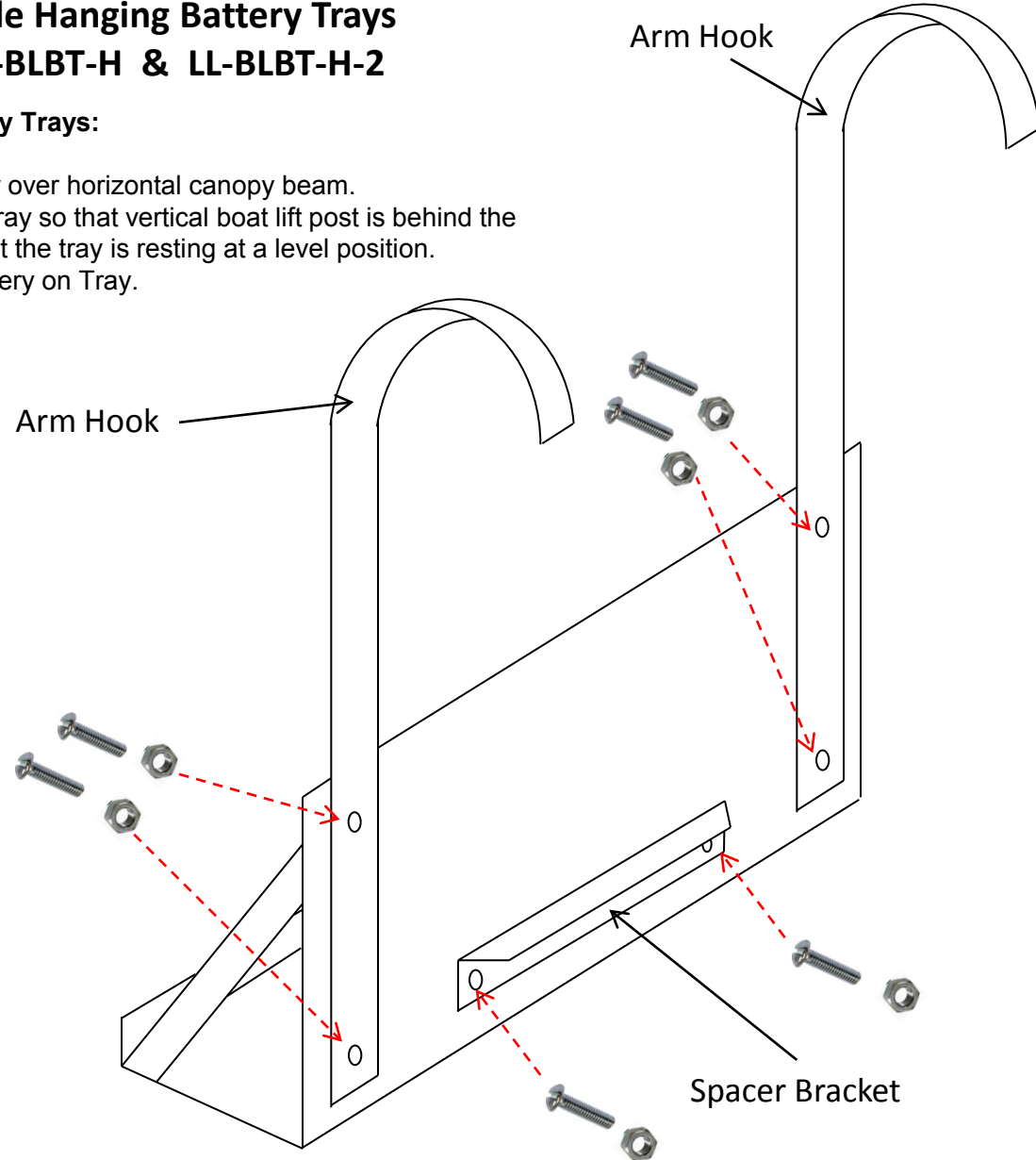


Watch Online

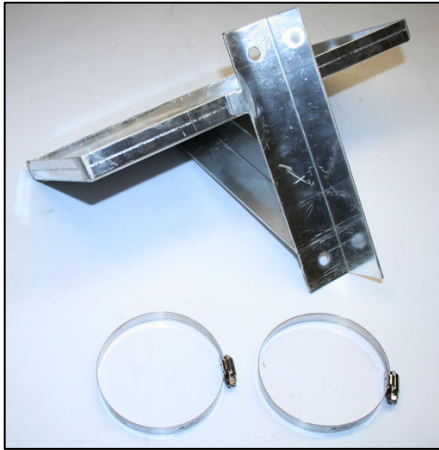
Dual Hanging Battery Tray



Watch Online



Included Parts



Note: Dual Tray comes with 3-straps



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Single & Dual Universal Battery Trays Models: LL-BLBT-H & LL-BLBT-H-2

Universal Battery Trays:

1. Mount the Tray to the inside of the lift on the vertical post of the boat lift with the winch mechanism
2. Tightly secure the Hose clamps around the boat lift vertical post.
3. Place Battery on Tray.

Single Universal Battery Tray



Watch Online



Dual Universal Battery Tray



Watch Online



Universal Mounting Arm Kit:
Model LL-SPMA



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Solar Panel Mounting Arm Kit

Models:

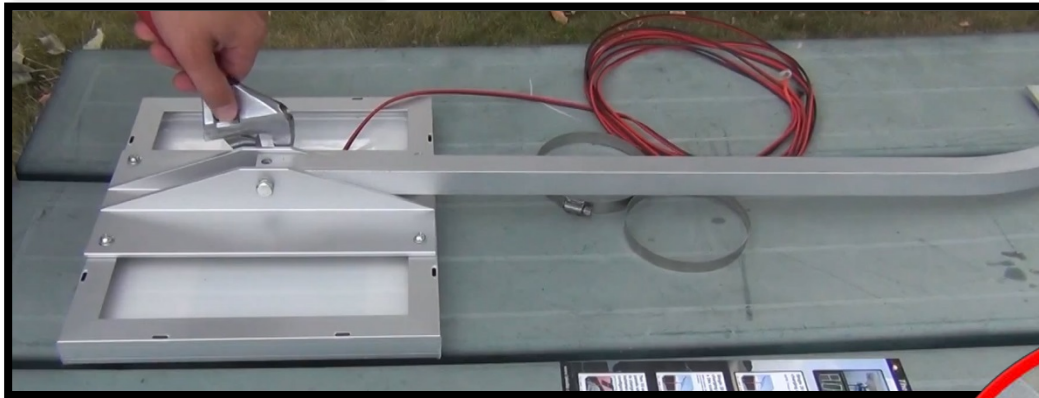
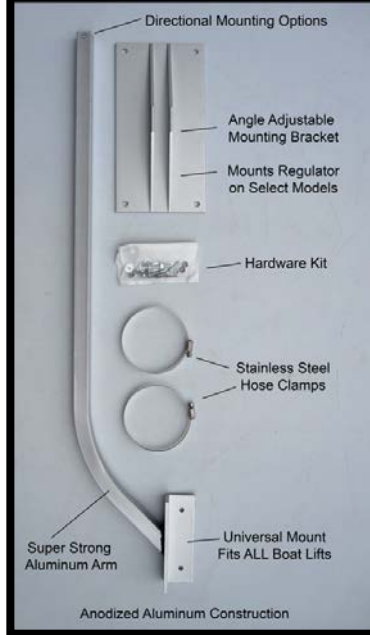
- LL-SPMA-36"
- LL-SPMA-48"
- LL-SPMA-72"



12v Systems



24v Systems



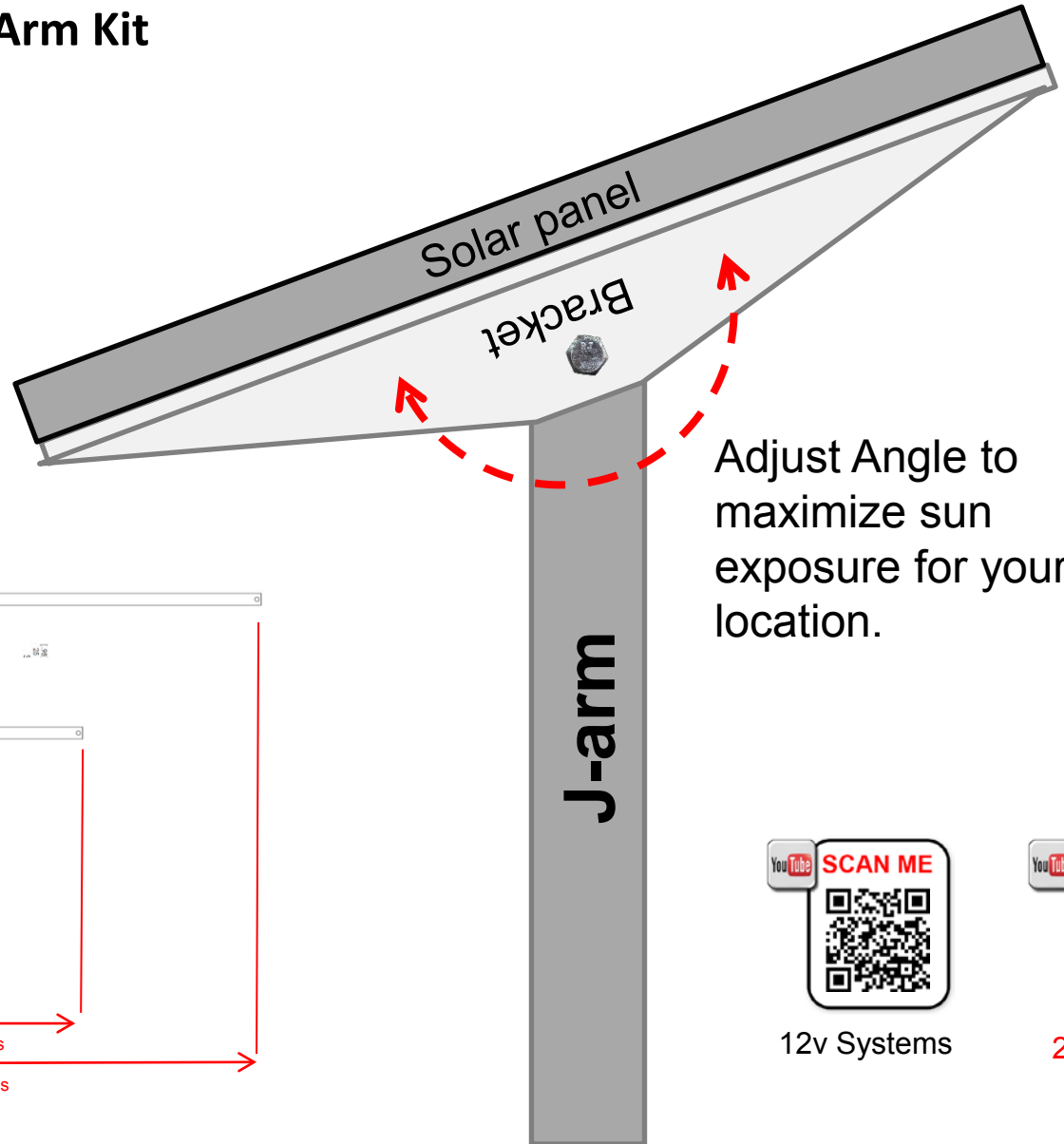
1. Position the J-Arm on the vertical Post with the most exposure to sunlight
2. Use straps to tighten the J-Arm to the vertical Post
3. **MAKE SURE** the J-Arm is **TIGHT!**
4. Adjust solar panel angle & direction for maximum sunlight exposure.



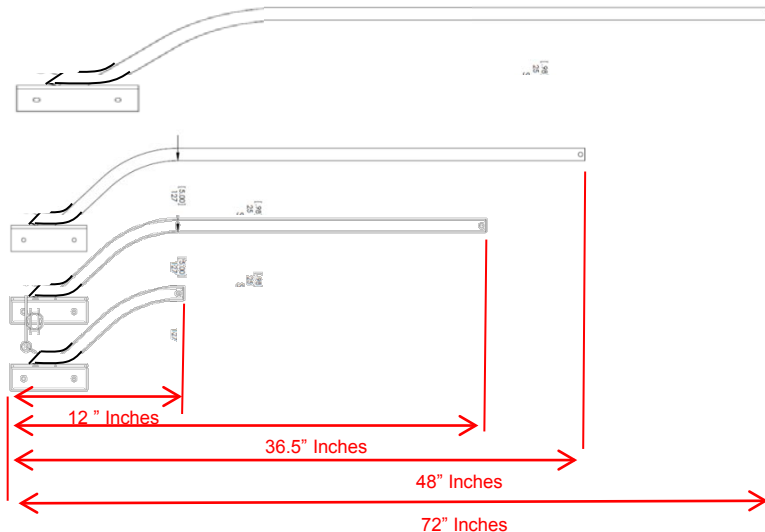
Solar Panel Mounting Arm Kit

Models:

- LL-SPMA-12"
- LL-SPMA-36"
- LL-SPMA-48"
- LL-SPMA-72"



Adjust Angle to maximize sun exposure for your location.



12v Systems



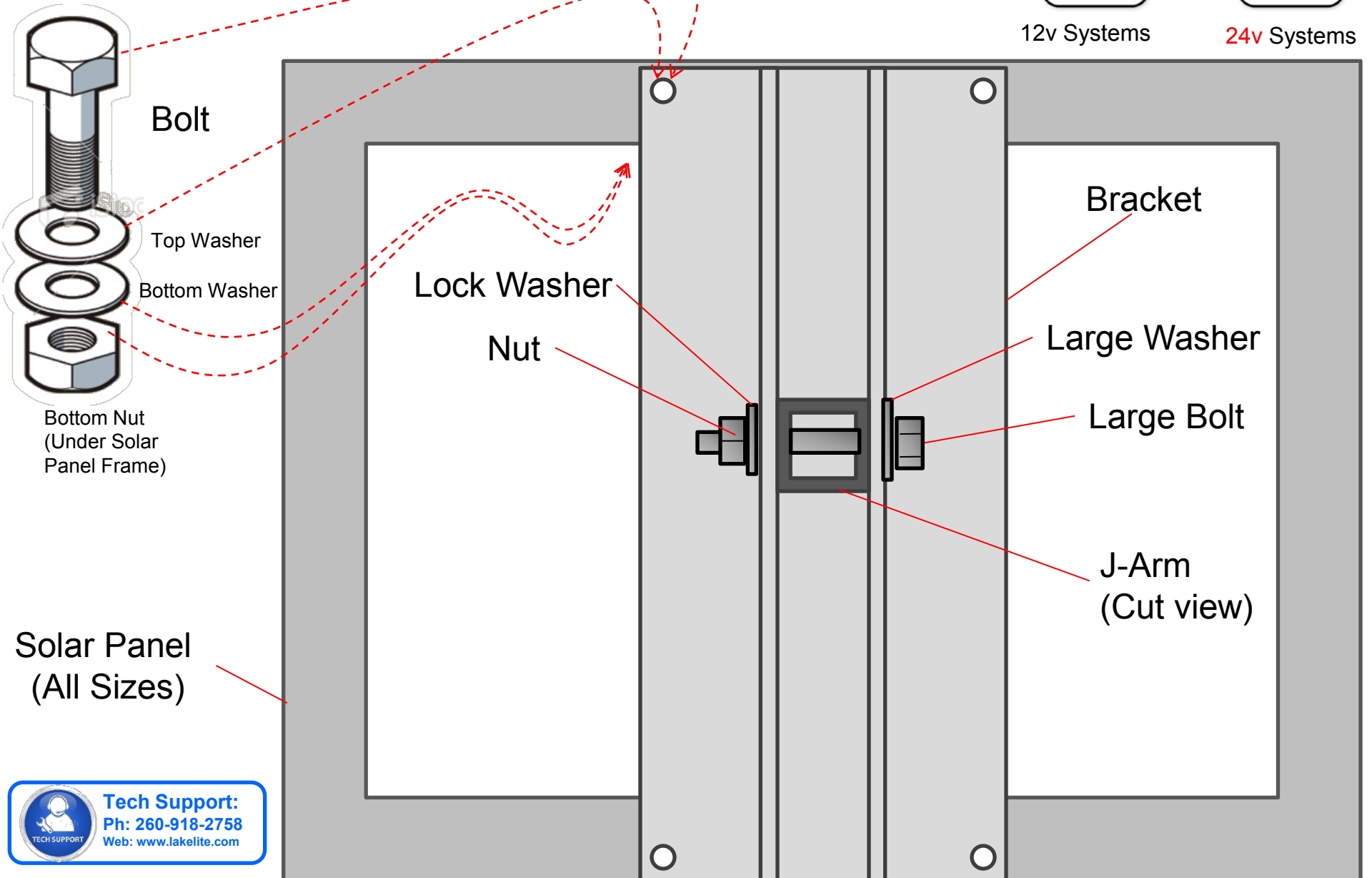
24v Systems



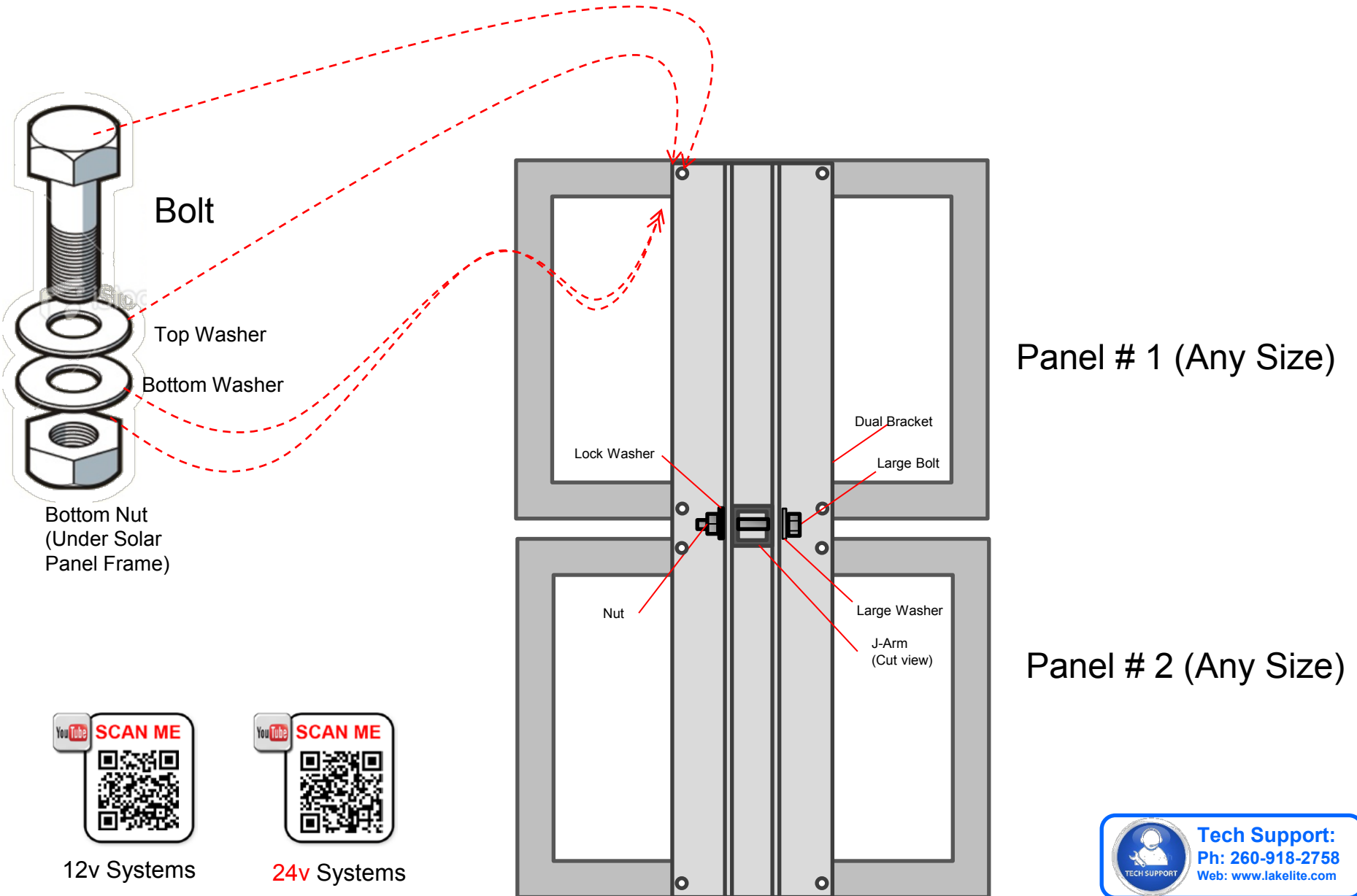
12v Systems



24v Systems



DUAL Solar Panel Mounting Arm Bracket



12v Systems



24v Systems

Boat Lift Owl Kit Instructions:

1. Mount Owl to Arm at top Plate with provided Screws.
2. Be careful not to over tighten the screws into the bottom of the owl as it may strip.
3. Tighten the two hose clamps around the boat lift legs and position the owl in desired direction.

