



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

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. 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









LL-SP-10W (10 WATT)



←____ 351mm _____







Single 10 watt 12v solar panel charging a single 12v battery

(-) Negative to System -(+) Positive to System

LLSP-10w-12v



Single 20 watt 12v solar panel charging a single 12v battery

NOTE: Charge Regulator Required



LLSP-20w-12v

Single 20 watt 12v Solar panel Charging parallel 12v Batteries

NOTE: No Charge regulator required.



LLSP-20w-12v

Single 20 watt 24v solar panel charging two 12v batteries in a 24v configuration

NOTE: Specially designed solar panel for 24v systems only: Do not use this solar panel on a single 12v battery as it will damage the battery.

LLSP-20w-24v





Two 10 watt 12v solar panels charging two 12v batteries in a 24v configuration



Two 10 watt 12v solar panels wired in series to charge two 12v batteries in a 24v configuration





Two 10 watt 12v solar panels:

-One Charging Lift Battery -One Charging Boat Battery

LLSP-10w-12v



10 watt Solar Panel Mounting Arm Assembly



STOP: It is a good idea to assembled all parts before tightening the bolts!

- Attach both L Shaped
 braces long ways on the solar panel with short bolts.
- Attach the mounting arm in the desired position between the L Shaped braces with the long bolt.
- Tighten the long bolt First so that the L-Shaped braces are tight to the mounting arm.
- 4. Tighten all 4 of the short bolts to the solar panel.

Dual 10 watt Solar Panel Mounting Arm Assembly



STOP: It is a good idea to assembled all parts before tightening the bolts!

- Attach both L Shaped
 braces long ways on the solar panel with short bolts.
- Attach the mounting arm in the desired position between the L Shaped braces with the long bolt.
- Tighten the long bolt First so that the L-Shaped braces are tight to the mounting arm.
- 4. Tighten all 4 of the short bolts to the solar panel.

20 watt Solar Panel Mounting Arm Assembly



STOP: It is a good idea to assembled all parts before tightening the bolts!

- Attach both L Shaped
 braces short ways on the solar panel with short bolts.
- Attach the mounting arm in the desired position between the L Shaped braces with the long bolt.
- Tighten the long bolt First so that the L-Shaped braces are tight to the mounting arm.
- 4. Tighten all 4 of the short bolts to the solar panel.