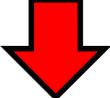


# DC-SOLAR BOAT LIFT

## SOLAR SIZING CHART



* Based on 3-4 min Operation Time		Boat Lift Size			
Type of User 	# of Lifts PER 7-DAY WEEK	4,000 lbs BOAT LIFT	6,000 lbs BOAT LIFT	8,000 lbs BOAT LIFT	10,000 lbs BOAT LIFT
Weekend Only Use	3 to 5 Lifts per Week	20w-24v Charging	20w-24v Charging	20w-24v Charging	30w-24v Charging
Weekend + Some Weekday Use	5-8 Lifts per week	20w-24v Charging	20w-24v Charging	30w-24v Charging	30w-24v Charging
Daily Use	8+ Lifts per week	20w-24v Charging	30w-24v Charging	40w-24v Charging	40w-24v Charging

### How many times will the batteries lift the boat?

- 10-16 lifts with fully charged batteries depending on the size of the boat, boat lift, and more importantly the actual run time the blower motor operates to fully lift the boat.
- Using the above sizing chart will help ensure your system is replacing more energy than it uses on a weekly basis. This will result in the batteries always being fully recharged.
- *\*Using more power than what is replaced on a weekly basis will “eventually” result in dead batteries.*

### Time of operation – (motor run time)

- The sizing chart is based on the average 3-4min run time which is adequate for most boat lifts.
- Shorter run times use less power & can be paired with smaller solar chargers.
- Longer run times use more power & should be paired with larger solar chargers.

### Should I get a larger than needed solar charger? – will it damage my batteries?

- There is NO risk to oversizing. It never hurts to go larger! The batteries will simply recharge faster.
- The integrated solar charge regulator will prevent overcharging the batteries.

### Notes & Considerations:

- Consider & plan for vacations & holidays when you may operate your boat lift more than normal.
- Mount the solar charger in direct sunlight at 30-45 degrees facing the most southward direction

*All boats and boat lifts are different, there are numerous factors and variables to consider when sizing the solar charger. The above sizing chart is a general recommendation only.*