

Storing, Charging, and Maintenance of BlowHard Fans with an Integrated Battery



Charging & Maintenance:

- Your BlowHard fan was specifically designed to be stored and charged on shoreline power.
- The Smart-Tec control system contains a component called a BMS or Battery Management System. That BMS manages the high rate of power cycling associated with shoreline power, so leaving your fan plugged in at all times will not overcharge or damage the battery.
- The BMS also takes care of all the charging and battery maintenance. Basically, it does EVERYthing so that you don't have to do ANYthing. Just Plug-N-Play.
- AFTER the fan is fully charged, but still plugged in, the Smart-Tec system automatically kicks on to perform any necessary maintenance and cell balancing. Which will extend the life and health of the battery
- Charging is best completed in a moderate environment- anywhere between 50 and 80 degrees Fahrenheit or 10 to 30 degrees Celsius. Charging in extreme temperatures will extend the charging time.
- Your fan will first do a quick charge to about 90% of full capacity, which takes about 2 hours, and then continue a trickle charge from 90 to 100% capacity.

Battery Life:

- The typical estimated life of the Li-Ion battery supplied by BlowHard is up to 1000 full discharge cycles.
- When your battery reaches its life cycle, the run time of the battery will begin to decrease. When you're ready, give us a call and we'll quickly get you a new one.
- BlowHard recommends that you add your fan to your existing maintenance schedule, where either once a month or every other month, run the fan all the way down and charge it up again. This is mainly so that you are at your station making sure your fan is working at its maximum capacity, and out on a call when you need it. This is also when you would take note of the runtime.

Shoreline Installation:

- Depending on your fan model you will need to ensure that the current demand is adequately sized.
- Many customers store multiple fans on the apparatus.
- Please reference the following chart to identify the current demand for each fan model and be sure to sum the current for all your fans when sizing your shoreline circuit.

Model	120VAC 50/60Hz: Charge Current	240VAC 50/60Hz: Charge Current	Power
Squirt	5-Amps	3-Amps	500W
Quicke	5-Amps	3-Amps	500W
Commando	10-Amps	5-Amps	1000W