

## Introduction

The High Capacity Submersible Battery Pack P/N 3200-600 includes a rechargeable lithium-ion battery and battery pack charger. The battery pack is used together with the Internal Datalogger to provide self-contained use for the *in situ* Integrating Cavity Absorption Meter (ICAM) as well as the PhytoFind, C6 Multi-Sensor Platform, C6P or C3 Submersible Fluorometer. It has a 600m depth rating and facilitates vertical profiling and moored applications.

Battery Bracket P/N 2360-605 is recommended for use with this battery on the C6P and PhytoFind.

## Charging the Battery

- 1) Carefully align the battery's connector to the pins of the charger and push the battery straight onto the charger.
- 2) Plug the charger into a standard wall outlet and allow the battery to charge for 8-12 hours for a complete battery charge.
- 3) When finished, unplug the charger and remove the battery by pulling the battery straight out from the charger's connector.



## LED Light Indications

Off	No battery detected
Power-up	Red-yellow-green-off
Green flashing	Fast charging
Green Solid	Fully charged
Yellow solid	Out of temperature range
Red/green flashing	Shorted terminals
Red flashing	Error

## General Precautions

Under no circumstances should you attempt to open the battery housing. Please contact Turner Designs if you have any problems or questions related to the battery pack.

## Battery Life

The battery is designed, when fully charged, to exceed the Internal Data Logging capacity at the maximum sampling rate. For longer deployments at shorter sampling intervals, we recommend recharging the battery after the Internal Data Logger is full or every 3-4 months, whichever comes first.

## Specifications

Length	18.1 cm (7.13 in) w/o connector
Diameter	10.16 cm (4.0 in)
Weight in Air	2 kg (4.41 lbs)
Weight in Water	0.72 kg (1.59 lbs)
Material	Delrin (Acetal plastic)
Rated Depth	0 – 600m (1969 feet)
Voltage Output	14.4 V (nominal)
Battery	Lithium ion
Number of Cells	12
Capacity	6600 mAh
Connector	8-pin
Charge time*	8-12 hours
Temperature	0 to 50 °C
Protection Features	Protects against overcharge, over-discharge, overheating, short-circuits. Includes internal pressure relief.

\*Charge with Turner Designs charger only