**Voyager Solar - Specifications**

<table>
<thead>
<tr>
<th>VOYAGER SOLAR DRIFTER BUOY DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height overall: 680mm</td>
</tr>
<tr>
<td>Diameter: 310mm</td>
</tr>
</tbody>
</table>

**POWER SUPPLY**

- **MAIN POWER SUPPLY**: Ni-MH re-chargeable battery pack, 2,500 mAh, 9.6 V (8 cell) powered by a SOLAR PV **Charging Source of** 2.8 watt, 12.0 to 13.5 Volt dc ‘donut’ form factor top mounted monocrystalline panel.
- **BACKUP POWER SUPPLY**: Alkaline non-rechargeable Battery Pack (6 X D-Cell, 9.6V) standby supply.

**COMMUNICATIONS**

- Iridium short burst data – Iridium Satellite & GPRS GPS receiver (Receive only).

**TEMPERATURE SENSOR OPERATING ENVIRONMENT**

- Water Temp: -2 to +65 degrees Celsius

**OPERATING LIFE**

- **MAIN Power Supply**: (Normal mode of operation) - Indefinite number of transmissions. SOLAR/Rechargeable power endurance is dependent on weather conditions in the deployment location. Fall-back power supply is then placed ONLINE once the MAIN POWER SUPPLY is expended. A further 1,000 transmissions is then afforded if the MAIN supply is NOT available until backup battery supply is expended.
- **BACKUP SUPPLY ONLY**: (NO SOLAR PV output mode) - Around 1,000 transmissions on fully charged battery pack at default 15 min transmission interval.

**Notes:**

Solar (PV) performance is subject to the Voyager Solar Drifter Buoys operational latitude location.
Backup battery endurance is subject to the number of transmissions in a given period.