




Voyager Solar - Specifications

VOYAGER SOLAR DRIFTER BUOY DIMENSIONS	
Height overall: 680mm	Approx. weight: 6.7Kg's
Diameter: 310mm	Material: HDPE (High Density Polyethylene)
POWER SUPPLY	
<p>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.</p> <p>BACKUP POWER SUPPLY: Alkaline non-rechargeable Battery Pack (6 X D-Cell, 9.6V) standby supply.</p>	
COMMUNICATIONS	
<p>Iridium short burst data – Iridium Satellite & GPRS GPS receiver (Receive only).</p>	
TEMPERATURE SENSOR OPERATING ENVIRONMENT	
<p>Water Temp: -2 to +65 degrees Celsius</p>	
OPERATING LIFE	
<p>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.</p> <p>BACKUP SUPPLY ONLY: (NO SOLAR PV output mode) - Around 1,000 transmissions on fully charged battery pack at default 15 min transmission interval.</p> <p><u>Notes:</u> 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.</p>	
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