



# SmartOne Solar™

## Solar Powered Satellite Asset Tracker

The SmartOne Solar is the next generation of Globalstar’s industry-acclaimed SmartOne product line. While operating on one of the most modern and fastest satellite networks in the world and powered by the sun, this IoT device provides excellent remote monitoring and tracking capabilities. The SmartOne Solar’s NiMH rechargeable batteries deliver up to 10 years of usable service, drastically reducing maintenance time and cost for labor and parts. It lets users intelligently configure reporting times and intervals for custom information delivery. The SmartOne Solar has unparalleled safety/device certifications such as ATEX, IECEx and North America, IP68/69K, HERO certifications, and others to meet the needs of every application.



**Let the SmartOne Solar streamline your M2M operations today!**

### BENEFITS

- Maintenance-free device as the power of the sun recharges its batteries providing up to 10 years of usable service
- Delivers reliable location reporting for assets deployed worldwide – providing security and improved efficiency for your business
- Easy to install as simple packaging requires no harnesses, external power or external antennas
- Wide range of reporting capabilities, including:
  - GPS Location reporting in 4 modes
  - Stationary or In-Motion Reporting
  - Reduced Messaging & Theft Recovery Modes
  - Transmits data from external sensors
- User selectable Speed and Heading operation
- Two dry contact or wetted-voltage inputs available to manage engine run time, tank level or various alarm inputs

### POTENTIAL APPLICATIONS

- Transportation: Monitor & track assets and fleet movements even in remote locations.
- Oil & Gas: Aids in mobilizing & deploying high value assets in the field.
- Construction: Determine if, when & where your valuable equipment is being used.
- Security: Keep track of valuable mobile assets such as rail cars, propane tanks & AgTech.
- Marine: Monitor & track high value assets, such as boats, barges and containers, at the dock and off-shore.
- Other industry uses: Mining, forestry, government, fisheries, etc.

### CONFIGURATION SOFTWARE

- Configuration software tool operates on a PC via serial cable
- Bluetooth interface also available for configuration and firmware updates

Visit [www.northstarst.com](http://www.northstarst.com) for details. Contact Blake to order at: [blake@northstarst.com](mailto:blake@northstarst.com) or **410.961.6692**






# SmartOne Solar™

## Solar Powered Satellite Asset Tracker

### TECHNICAL SPECIFICATIONS



### OPERATING SPECIFICATIONS

<b>DIMENSIONS</b>	3.25 IN (H) X 7 IN (W) X 1.125 IN (D) 8.26 CM (H) X 17.78 CM (W) X 2.86 CM (D)	<b>CERTIFICATIONS</b>	- FCC, ISED, CE, AUS/NZ - (PENDING) ANATEL, JQA(JAPAN), IFT, INDONESIA
<b>WEIGHT</b>	13.5 oz/385 g With optional mounting bracket 40.57 oz. (1150 g)	<b>INTRINSIC SAFETY CERTIFICATIONS:</b>	- ATEX/IECEx  II 1 G, Ex ia IIC T4 Ga For international Zone 0 applications, HERO
<b>OPERATING TEMPERATURE</b>	-40° to +65° C**	<b>STANDARDS</b>	- North America cETLus: - Class I, Division 1, Groups A-D, T4 - Class I, Zone 0, AEx ia IIC T4 Ga
<b>INPUT VOLTAGE</b>	10 TO 48 VDC		- WEEE Compliant - GMPCS-MoU - IP68/69K - MIL-STD-810G for: - Immersion - Impact resistance - Salt Fog - Acidic Atmosphere - Humidity - Vibration
<b>BATTERY TYPE</b>	Built-in rechargeable NiMH batteries (non-replaceable)		
<b>SATELLITE TECHNOLOGY</b>	Global LEO Satellite operation using the Globalstar Simplex Data Network. See Globalstar website for Coverage Map.		

### ACCESSORIES

- Globalstar USB Configuration Cable (Part No. 2030-0261-01)\*
- Globalstar Universal Input Cable (Part No. 2030-0265-04)\*
- Stainless Steel Mounting Bracket (Part No. 7000-0278-01)
- Bluetooth Dongle (Part No. 1950-0105-01)

\*Device is not intrinsically safe when these cables are connected. Same for the USB.

### FEATURE SET

#### STANDARD MESSAGING

- Wake, GPS locate, transmit location, resume sleep settings
- 12 programmable sleep time-of-wake settings

#### INTEGRATED ACCELEROMETER

- Message on start and stop
- Engage interval override on motion for set time or while in motion

#### ALTERNATIVE REPORTING

- Supervisory reporting schedule triggered by alarm or motion
- Transmits GPS location on interval for programmed time or while alarm remains active

#### CHANGE OF LOCATION

- Theft-alert reporting based on distance moved
- Reduced messaging mode

#### SERIAL COMMUNICATION CAPABILITY

- User defined messages
- Serial (TTL) I/O capability to interface with remote passive and smart sensors and deliver user-defined messages
- Bluetooth interface for configuration/ firmware updates

\*Device is not intrinsically safe when these cables are connected.

\*\*While functional in the specified Operating Temperature Range, usage of the SmartOne Solar above 60°C may cause RF signal degradation and decreased battery lifetime of the unit.



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