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**SmartOne Solar** is the only solar asset tracker certified as Intrinsically Safe with ATEX Zone 0 and HERO (Hazard of Electromagnetic Radiation to Ordinance) certifications for hazardous environments. Virtually maintenance-free with up to 10 years of usable service for tracking and monitoring, it's easy to install - requiring no harnesses, external power, or external antennas. In addition, the SmartOne Solar features a wide range of reporting capabilities with inputs available to monitor critical functions from engine run time to tank level and alarms.

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### 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

### Configuration Software

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

### 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.

## Operating Specifications

### dimensions

- 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)

### weight

- 13.5 oz/385 g
- With optional mounting bracket 40.57 oz. (1150 g)

### operating temperature

- -40°C to 65°C (-40°F to 149°F)\*\*

### battery type

- Built-in rechargeable NiMH batteries (non replaceable)

### input voltage

- 10 to 48 VDC

### satellite technology

- Global LEO Satellite operation using the Globalstar Satellite Network. See Globalstar website for Coverage Map.

### certifications

- FCC, ISED, CE, AUS/NZ, Anatel, INMETRO – LMP 19.0127 X, JQA(Japan), IFT, ARECOM, ENACOM, KCC, NCC, ASEP AND ICASA

### intrinsic safety certifications

- ATEX/IECEX  $\text{Ex}$  II 1 G, Ex ia IIC T4 Ga  
For International Zone 0 applications, HERO

## Standards

- North America cETLus:
  - Class I, Division 1, Groups A-D, T4
  - Class I, Zone 0, AEx ia IIC T4 Ga
- WEEE Compliant
- GMPCS-MoU
- IP68/69K
- Mil-STD-810G for:
  - Immersion
  - Impact resistance
  - Salt Fog
  - Acidic Atmosphere
  - Humidity
  - Vibration

## 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)

## Feature Set

### standard messaging

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

### alternative reporting

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

### integrated accelerometer

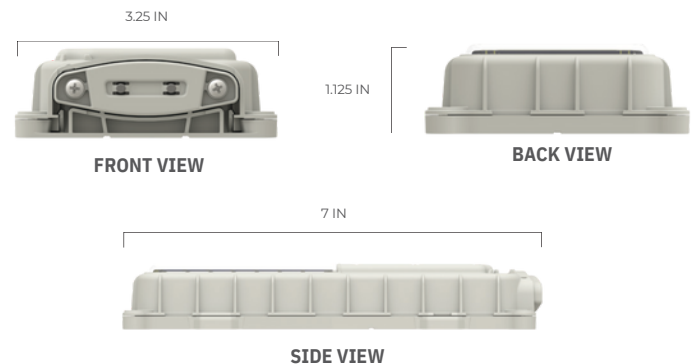
- Message on start and stop
- Engage interval override on motion for set time or while in motion

### 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



**NOTE:** Device is not intrinsically safe when any cable is connected.

**\*\* NOTE:** The unit is certified intrinsically safe for hazardous environments over the temperature range of -40°C to 65°C (-40°F to 149°F).

