

SmartOne Solar

Solar Powered Asset Manager

Globalstar 



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.

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.

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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, ATEX, UKCA, UKEX, ACMA, ANATEL, INMETRO, ENACOM, NOM, ASEP, ARECOM, NCC, ICASA, TELEC, KCC, NTC, ITU (GMPCS), Bluetooth SIG

INTRINSIC SAFETY CERTIFICATIONS

- ATEX/IECEEx 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

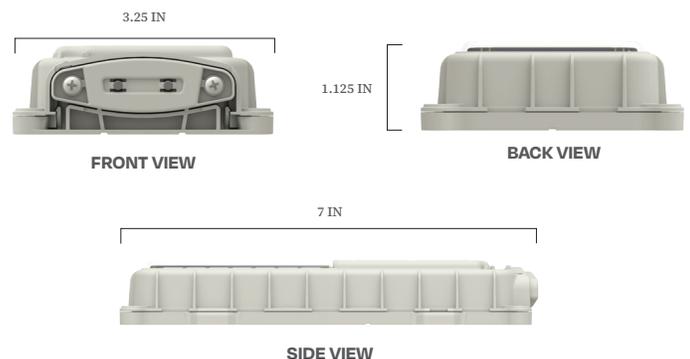
- Message on start and stop
- Engage interval override on motion for set time or while in motion

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).



For more information on how Globalstar's advanced product technologies can become an integral part of your wireless solution, please visit us online at www.globalstar.com.