Globalstar™

SmartOne Solar

Solar Powered Asset Manager

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.

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/IECEx ⟨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
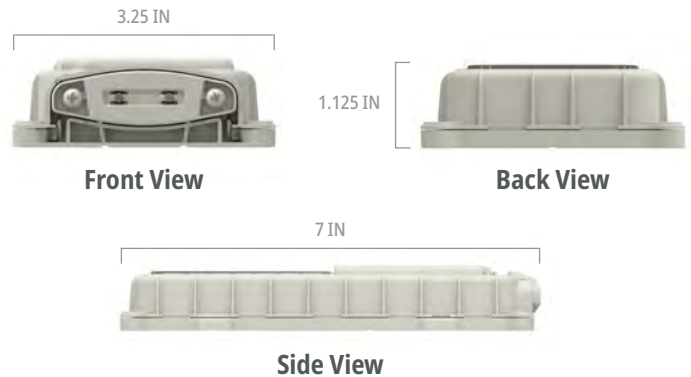
Integrated Accelerometer

- 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

3.25 IN

1.125 IN

Front View

Back View

7 IN

Side View

*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.