THE GT2s

NEXT GENERATION **INDUSTRIAL GRADE** SOLAR ASSET TRACKING

GT2s: GLOBAL ASSET TRACKER - **RUGGED CONSTRUCTION. LONG LASTING POWER. VERSATILE APPLICATION.**

Welcome to the next generation of solar asset tracking technology, the **GT2s Global Asset Tracker**. Combining the long life delivered by solar power with the reliability of a battery back-up, the intrinsically safe (pending certification) GT2s provides asset visibility in the most challenging conditions – even when sunlight is scarce. Its rugged design carries on the Geoforce legacy for tough and reliable devices to give you confidence the data will be available when you need it, year in and year out. With the GT2s, connectivity is delivered through the fully secure, global Iridium Satellite Network and features 2-way communication and Bluetooth Low Energy connectivity. Paired with Geoforce's complete line of GPS tracking devices and Track & Trace software, you now have the ability to gather, interpret and put data from the edge of your operation to work.

KEY PRODUCT FEATURES

The toughness of Geoforce.

- **ATEX Zone 2 Intrinsic Safe Device –** operates safely in many challenging hazardous environments
- **Extremely Rugged and Reliable –** fully sealed design for long-lasting operation in the world's harshest environments

The long life of solar.

- **Up to 10 years –** operational service life
- **Dual-Powered -** solar rechargeable batteries coupled with a high capacity non-rechargeable battery backup system provide a higher-degree of asset visibility assurance in situations where sunlight is limited or nonexistent

The versatility you demand.

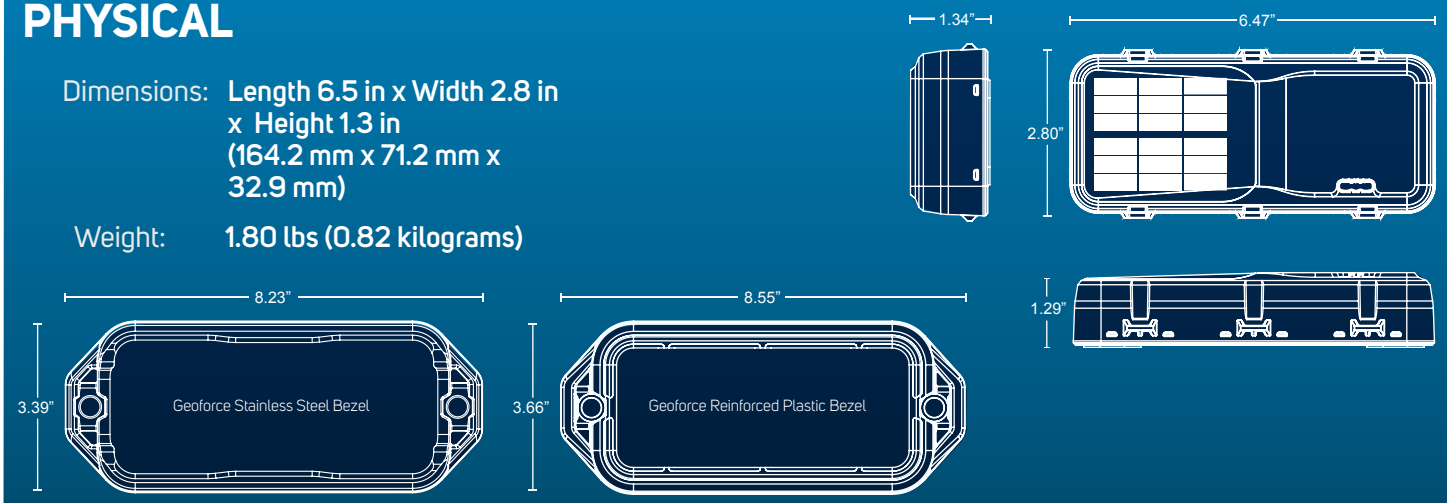
- **Global 2-way Satellite Communication –** over the Iridium satellite network providing acknowledged messaging well suited for critical data and alerts, along with remote device access and configuration when it's needed
- **Bluetooth Low Energy –** for wireless sensors and mobile programming devices
- **Geoforce Software Compatible –** with Geoforce Device Manager and Mobile Field Tool software applications

Geoforce | 5830 Granite Parkway, Suite 1200 | Plano, TX 75024 | Phone: 888-574-3878 | **www.geoforce.com**

PHYSICAL

Dimensions: **Length 6.5 in x Width 2.8 in x Height 1.3 in (164.2 mm x 71.2 mm x 32.9 mm)**

Weight: **1.80 lbs (0.82 kilograms)**



ENVIRONMENTAL STANDARDS

Operating Temperature:	**-40°F to 185°F (-40°C to 85°C)**
High Temperature Resistance:	**MIL-STD-810G:501.5, to 185°F (85°C)**
Low Temperature:	**MIL-STD-810G:502.5, to -58°F (-50°C)**
Recommended Storage Temperature:	**41°F (5°C) to 77°F (25°C) for best results**
Ingress Protection:	**IP68 per IEC60529 IP69K per ISO20653**
Combined Thermal and Humidity Exposure:	**MIL-STD-810G:507.6, 20-95%RH up to 140°F (60°C)**
Immersion:	**MIL-STD-810G:512.6 to 160ft (50 meters)**
Solar Radiation Exposure:	**UL746C F1, ASTM-G154**
Salt Fog Exposure:	**MIL-STD-810G:509.5 to 1000 hours**
Hydrocarbon and Acidic Atmosphere Resistance:	**ASTM D543-95, MIL-STD-810G:518.2**
Combined Operational Temperature and Altitude:	**MIL-STD-810G:500.6 to 15000 ft**
Thermal Shock:	**MIL-STD-810G:503.6, 20 cycles between -40°F to 185°F (-40°C to 85°C) < 1min transition**
Impact Resistance:	**ASTM D3763**
Operational Vibration:	**MIL-STD-810G:514.7, to 7.5Grms Random (5Hz-2000Hz)**
HALT:	**Qualmark HALT testing guideline 993-0336 Rev 4 to 50Grms (5Hz – 10000Hz, -40°F to 185°F [-40°C to 85°C])**
Mechanical Shock:	**MIL-STD-810G:516.7 to 300Gpk**
Reliability:	**IPC9592a**

Your teams and your equipment work in demanding environments. Your asset tracking technology needs to keep up. Armed with data from the edge of your operations, you can make better decisions and deliver better results. That's why at Geoforce we purpose-build rugged asset tracking technology and software that is trusted by the hardest working teams in the toughest environments anywhere.

CERTIFICATIONS

FCC: Part 15, Part 25

Industry Canada (IC): RSS-210, 247, ICES-003 Class B

EU: RED Directive 2014/53/EU, RoHS/REACH Compliant Regulation EC 1907

Ordinary Locations Safety

IEC62368-1, UL 62368-1, CSA C22.2#62368-1, UL 60950-22, CSA C22.2#60950-22

SATELLITE NETWORK

iridium®

Protocol: **Iridium SBD**

Frequency: **1616 MHz to 1626.5 MHz**

Transmit Power: **1.6W**

ATEX: CE II 3 G Ex ic IIC T6 Gc
-40°C ≤ Ta ≤ 64°C, IP68

PENDING CERTIFICATION

ATEX: EN 60079-0, 60079-11
CE II 1 G EX ia IIC T4 Ga
-40°C ≤ Ta ≤ 64°C, IP68

IECEx: IEC 60079-0, 60079-11
Ex ia IIC T4 Ga
-40°C ≤ Ta ≤ 64°C

OSHA Hazardous Location Classification:
IEC 60079-0, 60079-11
Ex ia IIC T4 Ga
-40°C ≤ Ta ≤ 64°C

USA Hazardous Location Safety:
UL 60079-0, UL 60079-11, UL 913

Canada Hazardous Location Safety:
CSA 22.2 No. 60079-0,11, No. 157-92