

# IRIDIUM EDGE<sup>®</sup> SOLAR



AN INTELLIGENT,  
SECURE, AND  
MAINTENANCE-FREE  
SOLAR-POWERED  
REMOTE ASSET MANAGER

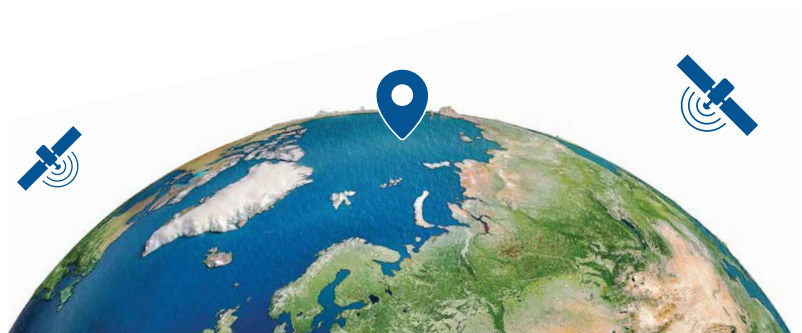
## KEY FEATURES

- › Bluetooth capability for wireless sensor integration and local device connectivity
- › Over-the-air configuration changes
- › Scheduled and interval-based reporting modes
- › Start/stop reporting and in-motion reporting options
- › Fully encapsulated, no external connectors needed
- › Water Ingress protected
- › Accelerometer and magnetometer
- › LED status indicator
- › Iridium Short Burst Data<sup>®</sup> (SBD<sup>®</sup>) modem for Iridium's superior network advantages

## GLOBAL IOT CONNECTIVITY

The Iridium Edge<sup>®</sup> Solar is a standalone and programmable solar-powered Short Burst Data (SBD<sup>®</sup>) device that offers real-time GPS tracking, a local wireless sensor, and communication capabilities over Bluetooth.

The product's self-charging, low-maintenance, long field life, and over-the-air configuration allow for distinct tracking applications that can be implemented to create complex solutions. Additionally, the ruggedized design, plus two-way communications with remote configuration capability make it the ideal solution for land and sea operations.



## SPECIFICATIONS

### ENVIRONMENTAL

- › Operating Temperature Range: -40°F to 185°F
- › Recommended Storage Temperature: Store below 90°F
- › Ingress Protection: IP68
- › High Temperature Resistance: MIL-STD-810G:501.5, IEC60068-2-2 to 185°F
- › Low Temperature Resistance: MIL-STD-810G:502.5, IEC60068-2-1 to -58°F
- › Combined Thermal and Humidity Exposure: MIL-STD-810G:507.5, 20-95% RH up to 140°F
- › Solar Radiation Exposure: UL746C F1, ASTM-G154 to 1.0 yr
- › Salt Fog Exposure: MIL-STD-810G:509.5 IEC60068-2-11 to 1000 hrs
- › Combined Operational Temperature and Altitude: MIL-STD-810G:500.6 to 15000 ft
- › Thermal Shock: MIL-STD-810G:503.5, 20 cycles between -40°F to 185°F < 1 min transition
- › Impact Resistance: ASTM D3763
- › Operational Vibration: MIL-STD-810G:514.7, IEC60068-2-80 to 7.5 Grms Random (5Hz-2000Hz)
- › Mechanical Shock: MIL-STD-810G:516.7 to 300Gpk

### MECHANICAL

- › Dimensions: 6.46 in x 2.8 in x 1.3 in (L x W x H)
- › Weight: ~ 1 lb

### POWER MANAGEMENT

- › Photovoltaic solar cells, rechargeable and primary batteries
- › Smart power management system
- › Up to 3-year shelf life
- › Up to 10-year operational service life
- › Back-up battery capacity provides 2x per day reporting for up to 5 years with no solar availability

### CERTIFICATIONS

- › Brazil: ANATEL Resolucao N° 506 e Resolucao N° 442
- › Australia/New Zealand: RCM - CISPR22
- › Mexico: IFITEL, NOM121

### IDEAL SOLUTION FOR:

Fleet Management, Vessel Monitoring Systems, Fisheries, SCADA, Shipping Container and Freight Tracking, Oil and Gas Machinery Monitoring, Cathodic Line Monitoring, Heavy Machinery and Construction Equipment Telematics Data, and more.



**ANY OPERATION  
ANY ASSET  
ANYWHERE**



Blue Sky Network

