

I Intelligent, secure, and solar-powered

By harvesting the sun's energy, Iridium Edge Solar enables long-term deployment of asset tracking, monitoring and management solutions. Iridium Edge is a standalone, solar-powered, Short Burst Data (SBD) device, which provides real-time GPS tracking and local wireless sensor and communication capabilities over Bluetooth. Iridium Edge Solar is an ideal asset management solution with a ruggedized design, up to 10-year deployable lifespan, two-way communication and military-grade packaging.



Key features

- Bluetooth capability for wireless sensor integration and local device connectivity
- Over-the-air configuration changes
- Interval and scheduled reporting modes
- Start/stop reporting/in-motion reporting
- Fully encapsulated, no external connectors, water ingress protected
- Accelerometer and magnetometer
- LED status indicator
- 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

Connected. Everywhere.

IRIDIUM EDGE SOLAR TECHNICAL SPECIFICATIONS

2023-06 v1

MECHANICAL		
Dimensions	L 162 mm x W 71.2 mm x H 32.9 mm	L 6.37" x H 2.8" x W 1.29"
Weight	200 g	16.5 oz
Ingress Protection	IP68	
Mating Connector	18 Pin Female (Right Angle and Straight Through Options)	
Connector Cover	Included for Additional Protection (Optional)	
ENVIRONMENTAL		
Operating Temperature Range	-40 °C to +85 °C	-40 °F to 185 °F
High Temperature Resistance	MIL-STD-810G:501.5 IEC60068 -2-2 to 85° C / 185° F	
Low Temperature Resistance	MIL-STD-810G:502.5, IEC60068-2-1 to -50°C / -58° F	
Recommended Storage Temp	Store below 32°C / 89.6° F for best results	
Combined Thermal and Humidity Exposure	MIL-STD-810G:507.5 20-95%RH up to 60°C / 140° F	
Solar Radiation Exposure	MIL-STD-810G:500.6 to 15000 ft / 4572 m	
Thermal Shock	MIL-STD-810G:503.5 20 cycles between -40°C / -40° F to 85°C / 185° F < 1min transition	
Impact Resistance	ASTM D3763	
Operational Vibration	MIL-STD-810G:514.7 IEC60068-2-80 to 7.5Grms Random (5Hz - 2000Hz)	
HALT	Qualmark HALT testing guideline 993-0336 Rev 4 to 50Grms (5Hz–10000Hz, -40°C to 85°C)	
Reliability	IPC9592a	
CERTIFICATIONS		
FCC Parts 15C, 25 IC CE Australia/New Zealand		

Connected. Everywhere.



FOR FURTHER SALES
INFORMATION CONTACT:
sales@metocean.com

CANADA - HQ
11 Thornhill Drive
Dartmouth, Nova Scotia
B3B 1R9
+1 902 468 2505

UNITED STATES
1750 Tysons Blvd, Suite 1500
Office 1547, McLean, Virginia
22102
+1 844 728 286

UNITED KINGDOM
Hilldale Farm, Titchfield Lane
Wickham, Hampshire
PO17 5NZ
+44 1489 888 555