



**FORWARD THINKING**  
*Stay ahead of the other guys.*

# BESOL

BESOL-ATT, BESOL-TMO



## FEATURES & BENEFITS

- Up to 15-minute tracking intervals
- Geo-location settings
- Solar-powered rechargeable battery
- Configurable alerts
- IP67 waterproof casing

## Capabilities

Utilizing the latest in cellular technology, the BeSol is the end-to-end asset tracking solution you need for monitoring and managing a wide range of assets such as construction equipment, trailers, cargo containers, and more.

## Pin-Point Location

The BeSol is the simplest way to keep track of your assets. Never lose your equipment again as the BeSol device pairs with the IntelliHub® software to tell you the exact locations of your valuables every 12 hours when stationary and every 15 minutes while moving.

## Rechargeable Battery

The BeSol comes with a built-in solar panel for easy battery recharge. It also offers a long battery life and can track your assets for years to come. Plus, with an IP67 case protection rating, the BeSol is both dust-tight and waterproof.

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## SPECIFICATIONS

### GENERAL

Communication	CAT M1/CAT NB1/NB2
Location Technology	High accuracy Gen9 with concurrent GNSS (GPS, GLONASS, BeiDou, Galileo, and QZSS)
Operation Voltage	3.5 – 4.2V
Battery	Rechargeable Lithium-Ion Battery 3.7V nominal

### GPS

GPS Receiver	Gen9 VT of Qualcomm (GPS, GLONASS, BeiDou, Galileo, and QZSS)
GPS Accuracy	<3 meters CEP-50

### CELLULAR

Cellular Data	LTE CAT M1 Packet Data (CoAP/UDP) / CAT NB1/NB2 Packet Data CoAP/LwM2m/UDP
SIM	4FF (nano SIM)
Sensor Operational	Temperature: -40, +185; Absolute accuracy ±32.9°F
Accuracy	Humidity: Absolute accuracy ±3% RH Pressure: 300...1100hPa, Absolute accuracy ±hPa
3-Axis Accelerometer	Motion (*Shock & tilt trigger use case specific)

### CERTIFICATIONS

Certifications	CTIA (PTCRB/OTA), FCC/IC
Vibration & Shock	MIL-STD 810G
Cellular Carriers	AT&T, T-Mobile,
Additional Carriers	Bell, Verizon, DT, CE, Telefonica, Vodafone, Orange
Ingress Protection	IP67

### ENVIRONMENT

Operating Range	-40 to +167°F (Batteries, Enclosure)
Humidity	95% R.H. @ 122°F non-condensing

### BATTERY

Batter Capacity	2700mAh@ 0.2C5A Discharge
Cycle Life	500 Times
Standard Charge	0.2C5A
Standard Discharge	0.2C5A
Operating Temperature	Charge: 32°F - 113°F, Discharge: -20°F - 140°F
Over Charge/ Discharge Protection	Included
Charge Time	~ 60hrs – Uninterrupted Sunlight

### PHYSICAL

Dimensions	3.96 in x 2.22 in x 1.32 in
Weight	0.4 lbs.