

## GSatSolar Series

Monitor Anything Under The Sun

# Solar-Powered Satellite Tracker

A small, rugged, low-cost tracking device



### Low Cost Asset Tracking

The low price makes it easy, sensible, & affordable to get started with any asset.



### Compact Tracking Terminal

Small and light enough to go unnoticed, regardless of where or how you mount it.



### Easy to Use

Start today with three easy steps:  
Activate • Mount • Track



### Powered by the Sun

Each unit is powered by a solar panel that recharges the battery.



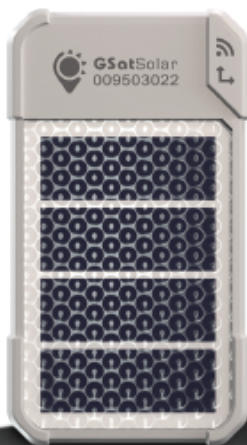
### Tough Enough for Outdoor Use

Rugged and reliable enough to track anything that moves.



### Modular Mounting Options

Whether it has four legs or four wheels, there is a mount that will work for you.



# WHAT WILL **YOU** TRACK

SMART RANCHING

ADVENTURERS

MASSIVE IOT

# GSatSolar

The GSatSolar was designed with the specific goal of providing the tracking market with a low-cost, compact, satellite-based terminal. Its design and functionality make it perfect for off-grid tracking of lower-cost assets, remote IoT operations, and livestock tracking. Adding data intelligence to these industries has previously yielded quandaries related to cost-effectiveness and network connectivity, each of which have been alleviated by the introduction of the GSatSolar.

## Components

- Nordic core processor
- Solar Panel
- Rechargeable Battery
- GPS Receiver
- Embedded Satellite TX and GPS RX combined antenna
- Wireless Connection Module with embedded antenna
- Serial connector
- FCC, ISED, CE modular certification

## Features

- Compact Tracking Device
- Solar-Powered
- Low-Cost Tracking
- Built Tough For Outdoor Use
- Ready Out-of-the-Box
- Modular Mounting Options
- Satellite Coverage



## Specification Overview

### Dimensions

Length: 57.1mm (2.25")  
 Width: 31.8mm (1.25")  
 Height: 17.8mm (0.70")

### Weight

Terminal: 22.2 grams (0.783oz)  
 Animal Ear Tag: 4 grams (0.141oz)  
 Multipurpose Clip: 5 grams (0.176oz)

### Charging Method

Solar

### Solar Charge Rate

.125 watts

### Battery

Type: Lithium Polymer  
 Charge Time: Depends on sun exposure  
 Capacity: 150mAh  
 Lithium Content: 0.054grams(0.002oz)

### Temperature

Max (recommended): 50C  
 Min (recommended): -30C

### Altitude

Range (recommended): 40,000 feet

### Ingress Protection

IP Rating: IP68 (certification pending)  
 Dust tight - no ingress of dust, complete protection against contact  
 Liquid immersion up to 1M depth for 30 minutes

### Transmitters/Chipsets

Transmitter Module FCC ID: L2V-ST100 IC: 3989A-ST100

GPS Chip: ZOE-M8  
 Wireless Chip: NRF 52832

### GPS Receiver type:

72-channel u-blox M8 engine  
 GPS/QZSS L1 C/A  
 GLONASS L10F  
 BeiDou B1I  
 Galileo E1B/C