



 **GSatSolar**

GSatSolar Series

Monitor Anything
Under The Sun



Connecting the World, Empowering Your Enterprise



www.connectasat.com



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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.



Powered by the Sun

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



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.



Modular Mounting Options

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



Tough Enough for Outdoor Use

Rugged and reliable enough to track anything that moves.

¿What will you track?



Smart ranching



Adventurers



Massive lot

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
- Bluetooth Low Energy 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



Specication Overview

Dimensions	Length: 57.1mm (2.25") Width: 31.8mm (1.25") Height: 17.8mm (0.70")	Altitude	Range (recommended): 40,000 feet
Weight	Terminal: 22.2 grams (0.783oz) Animal Ear Tag: 4 grams (0.141oz) Multipurpose Clip: 5 grams (0.176oz)	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
Charging Method	Solar	Transmitters/ Chipsets	Transmitter Module FCC ID: L2V-ST100 IC: 3989A-ST100
Solar Charge Rate	.125 watts	GPS Receiver type:	GPS Chip: ZOE-M8 BLE Chip: NRF 52832
Battery	Type: Lithium Polymer Charge Time: Depends on sun exposure Capacity: 150mAh Lithium Content: 0.054grams(0.002oz)		72-channel u-blox M8 engine GPS/QZSS L1 C/A GLONASS L10F BeiDou B1I Galileo E1B/C
Temperature	Max (recommended): 50C Min (recommended): -30C		

Get connected Satellite Coverage

The GSatSolar is a satellite terminal, which is a critically important piece of its ability to deliver IoT and remote range functionality. Most low-cost trackers that exist for small assets are not capable of reporting outside of terrestrial network range, and the GSatSolar leverages the Globalstar satellite network for off-grid solutions. Anywhere a GSatSolar can see the sun and a Globalstar satellite, asset managers can track their unit.



*Coverage map as of July 2023. Coverage may change at any time.

Whether you're part of a global enterprise or have a small company, we can help you strengthen your business with the power of satellite connectivity.

Get started today.