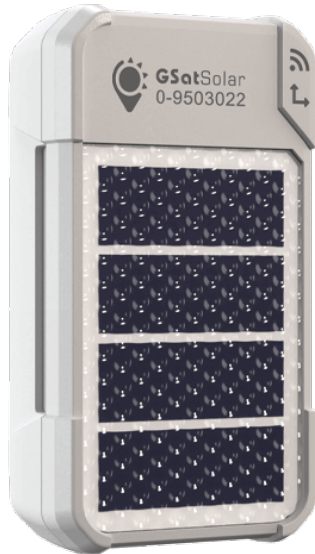


# GSatSolar

Solar-Powered Satellite Tracker



The GSatSolar is your solution for off-grid tracking of assets, remote IoT operations, and livestock tracking. The low-cost, compact, satellite-based terminal is easy to install and built for rugged outdoor use.

Powered by a solar panel that recharges the battery, GSatSolar is rugged, reliable enough to track anything that moves, and small and light enough to go unnoticed, regardless of where or how you mount it. The GPS tracking device easily mounts to any fixed or mobile asset for intelligent tracking, monitoring, and integration with wireless sensors through the configurable BLE Sensors interface.

 **Low Cost Asset Tracking**

The low price makes it easy, sensible and 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:

- 1 Activate
- 2 Mount
- 3 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.

## 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



## 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
- BLE Chip: NRF 52832

## GPS Receiver Type

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

For more information on how Globalstar's advanced product technologies can become an integral part of your wireless solution, please visit us online at [www.globalstar.com](http://www.globalstar.com).