

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: 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.

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, ISCED, 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

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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 RECIEVER TYPE

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

