IoT Series
Portable and Dedicated Hardware

ST4950
Solar Asset Tracker with long-life rechargeable battery

5.2Ah

UP TO 3 YEARS

With no sunlight up to 3,100 reports between charges. Up to 3 years at 1-2 reports per day. 180 days at 10 reports per day. At least 17 days at a 10-minute interval .

1 Hour of Sunlight Equals up to 9 Reports

Cat-M1

4G

Version 4: verizon✓ AT&T Bell T··Mobile· NBIOT and Cat-M1

Key Features:

- Network: LTE Cat. M1/NBIOT
- Extremely Low Power Consumption
- 40mA Solar Panel
- Low Battery Alert
- Built-in 3-axis accelerometer
- GNSS-GPS, GLONASS, SBAS Engine
- Firmware upgradeable remotely (OTA)
- Waterproof compliant: IP67
- External power detection and reporting
- AES128 Encryption
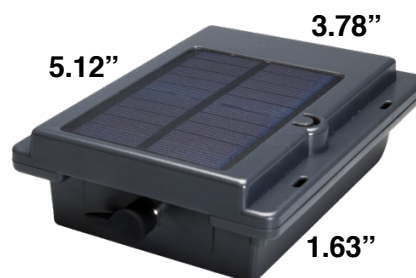- Provides report interval time according to external power supply
- SAE-J1455 Compliant

Options:

7.8 Ah Battery
Up to 4 Years, at one ping per day

10.05 Ah Battery
Up to 5 Years, at one ping per day

3.78"
5.12"
1.63"

Suntech
Custom Telematics for Your Business

Suntech International Ltd.

Accessories:

Power cable with DC Jack
SPCB-104952

Wall Charger
SPHP-101911

Power cable, open wire
SPCB-104953

Mounting cradle only
SACS-102321

Magnetic Cradle
Assembly
SSAS-214950

PowerPawn™ Magnetic
Power Key
SAMG-109100

4950 Installer Kit
SUIQ-4950

Network Frequency	LTE Cat M1 / NBIOT 4G: B2, B4, B5, B12, B13
Power	Power Class 3 (23 dBm) for LTE category M1
Battery	3.6V, 5.2 Ah, Lithium-ion Battery
Motion sensor	Built-in 3-axis accelerometer
SIM Size	Micro-SIM 3FF
Power Consumption	Active mode: 30-60mA Deep Sleep mode: less than 7uA
Temperature Range	-20C-+60C (Stops charging at >45C or <-5C)
AT Command	GSM 07.07, 07.05
LED Indicator	LTE Network Status, GPS Status, POWER
Packet Switched data rate	LTE Category M1,NBIOT Up to 375 kb/s UL/DL
Dimensions	96(W) x 130(L) x 41.3(T) mm
Weight	300g
Approval	FCC, PTCRB, IC, CE
Receiver Type	GPS or Glonass GPS L1 band(1575.42Mhz) Glonass L1 band (160.71MHz) SBAS: WAAS, EGNOS, MASA, AGPS
Update Rate	1Hz
Accuracy	Position 2.5m CEP, SBAS 2.0m CEP
Acquisition	Cold starts <35s, aided start <1s, Hot start , <1s
Sensitivity	Tracking -167dBm, Reacquisition -161dBm, Acquisition -149dBm
Antenna type	Patch Antenna
Battery (length of charging time)	MAX 7 Hours > 0 Celsius MAX 11 Hours > 0 Celsius (Optional 7.8Ah or 10.05 Ah)
Master carton size	600*360*160mm
Quantity per master carton	25
Color	Gray
Warranty	2 Years

Suntech
Custom Telematics for Your Business