

# IoT Series

Portable and Battery Operated

# ST4955LCBW

Solar Asset Tracker with long-life rechargeable battery



**Wired Temperature  
Sensor Compatible**



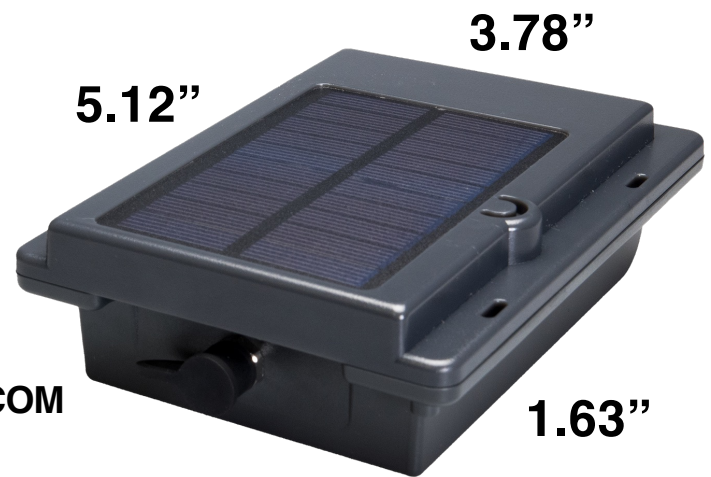
**Bluetooth Ready**



**Sensor Compatible**



**7,800 mAh Battery**



- **Learn** about ELA Sensors at [NOVOTECH.COM](http://NOVOTECH.COM)
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**Cat-M1**

**4G**

## Key Features:

- Network: LTE Cat. M1/NBIOT
- External or wired power options
- C4 Technology
- Extremely Low Power Consumption
- Low Battery Alert
- Built-in 3-axis accelerometer
- High-efficiency mono-crystalline solar panel
- GNSS-GPS, GLONASS, SBAS Engine,
- Firmware upgradeable remotely (OTA)
- Waterproof compliant: IP67
- External power detection and reporting
- AES128 Encryption
- SAE-J1455 Compliant

With no sunlight up to 4,100 reports between charges. Up to 4 years at 1-2 reports per day. 240 days at 10 reports per day. At least 23 days at a 10-minute interval .

## Option:

**10,200 mAh Battery**

Up to 5 Years, at one ping per day  
(MOQ 250 pieces)

## Accessories:



Network Frequency	LTE Cat M1 / NB-IOT 4G: B2, B4, B5, B12, B13
Power	Power Class 3 (23 dBm) for LTE category M1
Battery	3.6V, 5200mAh, 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+85C (Stops charging at >45C or <-5C)
AT Command	GSM 07.07, 07.05
LED Indicator	LTE Network Status, POWER
Packet Switched data rate	LTE Category M1, NB-IOT Up to 375 kb/s UL/DL
Dimensions	96(W) x 130(L) x 41.3(T) mm
Weight	300g
Approval	FCC, IC
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)	7 Hours > 0Celcius
Master carton size	600*360*160mm
Quantity per master carton	25
Color	Gray
Warranty	2 Years



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