



## OVERVIEW

With no sunlight the NMS 891 features up to 3,100 real-time reports between charges. The battery life lasts up to 3 years at 1-2 reports per day. With an integrated GNSS receiver, the NMS 891 includes an LTE Cat-M (or NB-IoT) modem for wireless data communication.

## FEATURES

- **Network: LTE Cat. M1/NB-IoT**
- **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**

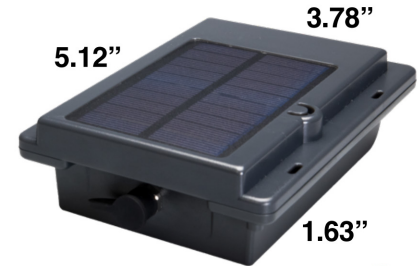
## OPTIONS

- **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



## SPECIFICATIONS

LTE	LTE Cat M1 / NB-IOT 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,NB-IOT 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	Grey
Warranty	2 Years