

# 3 YR Battery Asset Tracker

## NMS826 SPECIFICATION SHEET



### OVERVIEW

The NMS826 battery operated tracking units are intentionally designed for long term field deployments (NMS826; 1-3 years). Embedded magnets allow straight forward attachment to vehicles, trailers or containers; expediting asset tracking start up and eliminating the need for professional installation. Nova's Intelligent Power Management (IPM) provides deep sleep power conservation and wakes immediately to report location when the device senses movement. In cases where a GPS signal is unavailable, the device is capable of automatically switching to Cell-ID based location reporting.

### HIGHLIGHTS

- **Tracking:** Sends real-time vehicle location and speed.
- **Cell-ID Based Location:** Device utilizes Cell-ID based location information where GPS is not positioned.
- **3-Axis Accelerometer:** Detects trip start / end, reports harsh braking, acceleration and impact upon collision.
- **Message Store & Forward:** Up to 50 messages or alerts.
- **Intelligent Power Saving Mode:** Optimized GPS and low-power CPU, including wake on motion and sleep when stationary features.
- **Programmable Alerts:** Customizable geofencing, over speed limit, high / low temperature ranges, device movement and more.
- **Drop / Disconnect Theft Alarm:** Embedded light sensor detects detachment from the tracking asset (2,500 mAh model).
- **OTA (Over the Air):** Configuration and firmware can be remotely upgraded.
- **Waterproof Case:** IP65 rating.

## BENEFITS

- Low Cost / Easy to Use
- Simple / Discreet Installation
- Ultra Long Battery Life
- Battery Low Warning
- Tracking From Anywhere
- Rechargeable



## SPECIFICATIONS

LTE	Cat.M1 & NB1: Output Power: 23dBm±2.7dBm LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20 B25/B26/B28 LTE-TDD: B39 (for Cat.M1 only)
GSM	GSM850/GSM900/DCS1800/PCS1900 Output Power: GSM850/900: 33dBm±2dBm DCS1800/PCS1900: 30dBm±2dBm
Device Control and Reporting	HTTP/TCP/UDP/SMS
GPS Sensitivity	-162dBm Tracking Sensitivity Accuracy(Open Sky): < 2.5m (CEP50)
Power Consumption	-Active Mode:< *mA @3.8VDC -Sleep Mode:< *mA @3.8VDC -Deep Sleep Mode:< *uA @3.8VDC
Operational Temperature Range	-20C to +65C
Motion Detection	Built-In 3-Axis Accelerometer
Battery Capacity	2,500mAh
Supply Voltage	3.3V~4.5V
Storage Temperature(Without Battery)	-40C to 85C
Housing Dimension	86mm*50mm*23mm
Certificates	PTCRB,FCC,RoHS