



Trailer Asset Tracking Beacon Data Sheet MOSS-2800

Trailer Asset Tracking and Security Beacon

The MOSS 2800 is a high-performance beacon designed for commercial trailers which are typically tethered to 12V and 24V vehicle systems. Trailers may now be tracked as independent vehicles in the GPS Portal, regardless of whether they are tethered to a tractor. The device transmits location data using the latest 3G HSPA (high speed packet access) network technology for fast and error-free data communication.



This fully weather-proofed device has a powerful internal battery that will power the device for more than one month while the trailer is untethered, providing periodic location data.

Real-time Location and Reporting

Single point locate	Pinpoint the trailer's current location
Scenario tracking	Provides periodic location to assist in trailer recovery
Route Logs	Archive records of trailer movements
Power cut notification	Receive notifications when the trailer is untethered from the tractor
Low battery notification	Receive notifications when the internal battery of the device requires charging

Long-term Trailer Management

The MOSS 2800 is designed to provide reliable location data even though the trailer may be untethered from a power source for an extended period.

The device conserves its internal battery by entering a "deep sleep" mode when the trailer is untethered. The device will wake up on a schedule set by the tracking scenario, transmit its current location to the GPS Portal, then re-enter sleep mode.

When the trailer is reconnected to a power source, the MOSS 2800's internal battery will fully recharge in 2-3 hours.

Specifications

Location Technology

- Receiver: 50 channels
- Tracking Sensitivity: -162 dBm
- Acquisition Sensitivity: -148 dBm
- Location Accuracy: 2.0m

Wireless

- HSPA (3G) Network
- Operating Bands: HSPA/UMTS 800/850/900/1700/1900/2100 MHz
- Power
- Operating voltage: 9-32 VDC
- Battery capacity: 5.2 amp hour
- Battery voltage: 3.7 volts
- Power consumption: 500uA @ 12V (deep sleep) 68mA @ 12V (continuous tracking)

Physical

- Combined GPS/Cell Network internal antenna
- Weatherproof rugged plastic enclosure
- Size: 2.15 x 4.33 x 1.59" (54 x 110 x 40.4 mm)
- Weight: 12 oz / 340 g (with harness)
- Environmental
- Operating temperature range: -22 to +167°F (-30 to +75°C)
- Storage: -40 to +185°F (-40 to +85°C)
- Humidity: 95%RH @ 50° C non-condensing
- Shock and Vibration: U.S. Military Standards 202G and 810F, SAE J1455