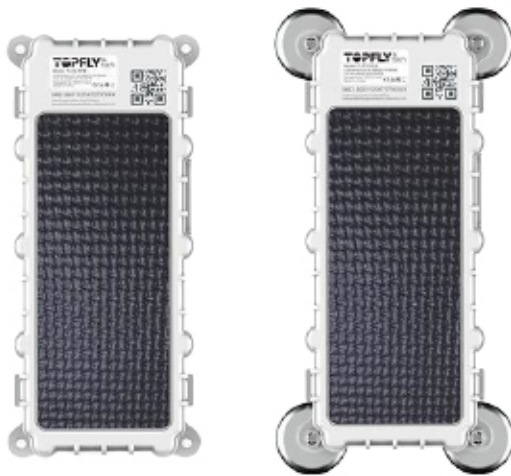


# PROFESSIONAL SOLAR POWERED ASSET TRACKER

TLP2-SFB is a professional solar powered asset tracker with high grade solar panel for wide ranging applications

# LTE & GSM TLP2-SFB 4G

LTE Cat-M1 (eMTC)/Cat-NB1 (NB-IoT) and GSM assets tracking devices for wide ranging applications



⚖️ | 370g (13.05oz)

📏 | 85mm\*185mm\*31mm  
(3.35" \* 7.28" \* 1.22")

🌡️ | -25°C ~ +70°C  
(-13°F ~ 158°F)

🔋 | Rechargeable Li 9600 mAh/3.6V

- ✂️ Compact Size
- ✂️ Easy Installation
- 🛡️ Waterproof
- 📶 Firmware Over the Air
- ☀️ Solar Powered
- 📶 BLE 5.0 (full set wireless sensor solution)
- 🔋 Low Battery Alarm
- 🚪 Removal Alert
- 🔒 Data Security (MD5/AES)
- 📡 MQTT Support

## Certificates:



\*Please reach out to us if you need any certificates in particular

## Standby Time

(Without solar charging, 2 hours active tracking per day)

10 Min Reporting	<div style="width: 100%; height: 10px; background-color: red;"></div>	320 Days
5 Min Reporting	<div style="width: 80%; height: 10px; background-color: red;"></div>	170 Days
1 Min Reporting	<div style="width: 60%; height: 10px; background-color: red;"></div>	68 Days

Trailer Tracking



Container Tracking



Freight Transport



# LTE TLP2-SFB SPEC

Network/Operating Band	
Operating Band	FDD: B1/B2/B3/B4/B5/B8/B12/B13/B19/B20/B25/B28 TDD: B39 (Cat M1 only) EGPRS 850/900/1800/1900MHz
Data Transmission	eMTC: Max. 300Kbps (DL), Max. 375Kbps (UL) NB1: Max. 32Kbps (DL), Max. 70Kbps (UL) EDGE: Max. 296Kbps (DL), Max. 236.8Kbps (UL) GPRS: Max. 107Kbps (DL), Max. 85.6Kbps (UL)
GNSS Specifications	
GNSS Chipset	Qualcomm Gen 8C GNSS receiver
Parallel GNSS	GPS+Glonass +Galileo+ Beidou
Receiver Type	33 tracking/99 acquisitions- channel GNSS receiver
Sensitivity	Cold start: -149 dBm Tracking: -163 dBm
Position Accuracy (CEP)	Autonomous < 2m
Standalone TTFF	Cold start: < 29s Warm start: < 27s Hot start: < 1s
Interfaces	
Charging and Data Transmission	4 Pin port with magnet
Network, GNSS Antenna	Internal only
Indicator LED	Network, GNSS and Battery level
FOTA	Yes
Physical Power Switch	1
Light Sensor	1 back light sensor
Temperature Sensor	1 temperature sensor
BLE 5.0	Yes
General Specifications	
Waterproof	IP67
Dimensions	85mm* 185mm*31 mm (3.35" *7.28" * 1.22")
Weight	370g (13.05oz)
Battery	Rechargeable Li 9600 mAh/ 3.6V
Standby Time (Without considering solar charging, 2 hours active tracking per day)	10 minutes reporting: 320 Days 5 minutes reporting: 170 Days 1 minute reporting: 68 Days
Charging & Data Communication	Magnetic USB cable (Recommend using 5V 1A adaptor, 20 hours charging)
Solar Panel	For charging the tracker battery
Operating Temperature	-25°C ~ +70°C (-13°F – 158°F)
Mounting	Magnet/Screw
Air Interface Protocol	
Transmit Protocol	TCP, UDP, MQTT, SMS
Data Security & Encryption Option	MDS/AES256
BLE Accessory Support	Yes
Scheduled Timing/angle/distance Report	Report position and status at preset intervals
Geo-fence	Support up to 64 internal geo-fence regions
Low Power Alarm	Sending alarm when battery is low
Motion Detection	Motion alarm based on internal 3-axis accelerometer
Removal Alarm	Sending alarm when the light sensor detecting the light changing
Industry Certifications	
CCE, RCM, IC, FCC, PTCRB, AT&T, US Cellular, T-Mobile(on-going), Verizon(on-going)	