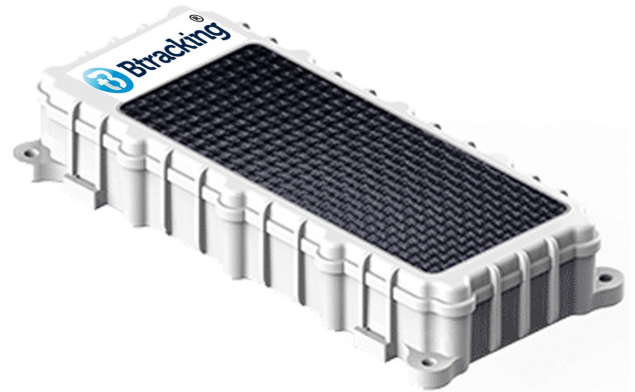


PROFESSIONAL ASSET TRACKER

BS120G Solar Tracker

LTE Cat 1 and GSM professional solar powered asset tracker with high-grade solar panel for wide-ranging applications

4G · Solar


Weight	410 g (14.5 oz)	Dimensions	185.4 × 84.7 × 31.3 mm (5.56" × 2.54" × 0.94")
Battery	7500 mAh / 3.6V Li-Po	Operating Temp	-30°C to +80°C (-22°F to +176°F)
Waterproof	IP67	GNSS Accuracy	< 2 m (< 6.6 ft) CEP
Mounting	Magnet / Screw / Double-sided tape	Charging	Type-C, 5V 1A (10 h charge time)

KEY FEATURES

- Compact Size
- Easy Installation
- Waterproof IP67
- Firmware Over the Air
- Solar Powered
- BLE 5.3 Wireless
- Low Battery Alarm
- Removal Alert
- Data Security MD5/AES
- MQTT Support
- Built-in WiFi
- Temperature Sensor

STANDBY TIME

(no solar charging, 2h active tracking/day)

30 min reporting	300 days
5 min reporting	135 days
Unlimited	With proper solar charging setting

GNSS SPECIFICATIONS

Chipset	All-In-One GNSS Receiver
GNSS System	GPS + Glonass + Beidou + Galileo + QZSS
Receiver	47 tracking / 47 acquisitions
Cold TTFF	< 28 s
Warm TTFF	< 25 s
Hot TTFF	< 1 s
Sensitivity	Acq -147 / Trk -166 / Reacq -159 dBm
Position CEP	< 2 m (< 6.6 ft)

NETWORK / OPERATING BAND

LTE FDD Cat 1	B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B18/B19/B20/B25/B26/B28/B66
LTE TDD Cat 1	B34/B38/B39/B40/B41
GSM/EDGE	850 / 900 / 1800 / 1900 MHz
LTE-FDD DL/UL	10 / 5 Mbps
LTE-TDD DL/UL	8.96 / 3.1 Mbps
GPRS DL/UL	85.6 / 85.6 Kbps
Protocol	TCP, UDP, MQTT, SMS
Encryption	MD5 / AES128
Geo-fence	Up to 64 regions
Alarms	Up to 31 types incl. removal, motion

INTERFACES

Charging	USB Type-C connector
SIM	Nano SIM card
Antenna	Internal LTE / GNSS
Indicator LED	Network, GNSS, Battery
Touch Button	Power on / off
Light Sensor	For removal alert
Temp Sensor	Built-in temperature sensor
BLE 5.3	Yes — full wireless sensor solution
WiFi	2.4 GHz 802.11b (Rx)
FOTA	Yes

APPLICATIONS

Trailer tracking · Container tracking · Freight transport · Wide-ranging asset tracking applications for trailers, containers, machines, and equipment

CERTIFICATIONS (planned)

FCC	CE	RCM	NBTC	TDRA	CITC	Anatel
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