

4G · Solar

PROFESSIONAL ASSET TRACKER

BS130S Solar Tracker

LTE Cat 1 and GSM premium solar-powered asset tracker with high-grade solar panel for all-purpose container tracking



Weight	459.4 g (16.20 oz)	Dimensions	216.5 × 67.0 × 28.0 mm (8.52" × 2.63" × 1.10")
Battery	7500 mAh / 3.7V	Operating Temp	-40°C to +85°C (-40°F to +185°F)
Waterproof	IP67	GNSS Accuracy	< 2 m (< 6.6 ft) CEP
Mounting	Magnet / Screw & Bracket / Double-sided tape	Charging	Type-C, 5V 1A (5 h charge time)

KEY FEATURES

- Narrow Design
- 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
- Collision Detection

POWER & GENERAL

Standby Time	Unlimited (with proper setting)
Charging	Type-C, 5V 1A (5 h full charge)
Color	White (Red / Yellow / Blue / Green on request)

GNSS SPECIFICATIONS

Chipset	All-In-One GNSS Receiver
GNSS System	GPS + Glonass + Galileo + Beidou + QZSS
Receiver	47 tracking / 47 acquisitions
Cold TTFF	< 15 s (28 s without EASY)
Warm TTFF	< 25 s (2 s without EASY)
Hot TTFF	< 1 s (1 s without EASY)
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 (Low Power, Motion, Tilt, Collision, Removal)

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)
Tracker Config	Type-C connector
FOTA	Yes

APPLICATIONS

Container tracking · Fleet management · Freight transport · Premium solar-powered tracking for containers, trailers, and long-haul assets

CERTIFICATIONS (planned)

FCC	CE	RCM	NBTC	TDRA	CITC	Anatel
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