# JimiloT





The LL303 is a 4G solar-powered tracker designed for the management of construction vehicles and vessels. Featuring the solar panel, magnetic charger, and IP67 waterproof rating, this device is ideal for a variety of deployments that require long standby time and continued optimal performance. LTE communication with GSM (2G) fallback ensures a solid connection in almost all cases. In addition to these features, multiple working modes, various peripheral accessories and the suite of event-triggered alerts will make the LL303 a valuable part of your fleet management strategy.





LTE & GSM Network

Communication via 4G LTE networks with 2G GSM fallback.



**Solar & Magnetic Charging** Easy charing via the solar panel and magnetic charger.



# **Multiple Alerts**

Instant alerts for atypical events such as device removal, abnormal vibration, abnormal temperature & humidity, etc.



# Bluetooth Accessory Compatibility (Optional)

Various bluetooth peripheral accessories allow for monitoring of fuel consumption, door status, etc.



#### RFID Reader (Optional)

**Multiple Working Modes** 

GPS & BDS & LBS Positioning

IP67 Dust & Water Resistance

Rugged design ensures continued optimal performance, even in the toughest conditions.

cloud platform.

actual demands,

A synergy of multiple positioning systems ensures

that locations are accurately displayed on the

Access the information of devices via the active RFID,

Configurable working modes according to your



Asset & Logistics







#### GNSS

Positioning system	GPS+BDS+LBS
Positioning accuracy	<2.5m CEP
Tracking sensitivity	-165dBm
Acquisition sensitivity	-148dBm
TTFF (open sky)	Avg. hot start < 1sec Avg. cold start < 32sec

# Cellular

Communication network	LTE Cat 1/GSM	LTE Cat M1/Cat NB2
Frequency	LL303-L: LIE-FDD: B1/B2/B3/B4/B5/B7/B8/B20/B28 LIE-TDD: B40 GSM: B2/B3/B5/B8 LL303-E: LIE-FDD: B1/B3/B5//B7/B8/B20/B28 LIE-TDD: B38/B40/B41 GSM: B2/B3/B5/B8	LL303-A Cat M1: B2/B4/B5/B12/B13/B25/B26/B66 Cat NB2: B2/B4/B5/B12/B13/B25/B26/B66 GSM: B2/B3/B5/B8

#### Power

Battery	10,000mAh/3.7V industrial-grade Li-Polymer battery
Solar power	5V/400mA (Standard Operating Voltage/Current @STC) STC: Direct illumination with 38,000lux halogen lamp on the test bench.
Magnetic charger	5V/2A
Working modes	Mode 1: Timing positioning mode
	Mode 2: Intelligent positioning mode
	Mode 3: Battery saving mode
Standby time	Up to 2 years in battery saving mode

# Interface

LED indication	Cellular (Green), Power (Red)
SIM	Nano-SIM
Tamper proof	Hall effect sensor

# **Physical specification**

Dimensions	203x122x33mm
Weight	548g

# **Operating environment**

Operating temperature	-20°C to +70°C
Operating humidity	5%~95%, non-condensing
IP rating	IP67

### Feature

Sensors	Accelerometer, Hall effect sensor
Scenarios	Low battery alert, Tamper alert, Vibrating Alert
Bluetooth	BLE 5.0
RFID	2.4GHz

\* We reserve the right of final interpretation of this leaflet. All information is for reference only and is subject to change without further notice.