

# TA255 E

## 4G Solar Asset Tracker



Up to 22400 mAh Battery



WiFi/BLE Communication



IP67 Water Resistant



FOTA for Configuration



Magnetic Installation

# Specifications



Physical specification	Dimensions of the tracker (excluding the charging cover)	71 mm × 95 mm × 27 mm (L × W × H)	
	Outer case material	ABS	
Power	Operating voltage	3.7V	
	Minimum current in sleep mode	0.29mA	
	Built-in battery (optional)	3200 mAh/3.7V	
	Charging voltage	Magnetic charging: 5.5 V/2 A Charging by using a battery box (I/O cable): 11.4–60 V	
	Solar charging current	Charging the tracker by using a solar panel: MAX 70 mA Charging a battery box by using a solar panel: MAX 100 mA	
GNSS	GPS mode	Support GPS, BD and Glonass; support dual-mode combination configuration Support LBS+WIFI assisted positioning	
	Positioning accuracy	2.5 meters	
	Tracking sensitivity	-162dBm	
	GSM/GPS antenna	GSM (internal FPC antenna), GPS (internal ceramic antenna)	
Bluetooth	Specification	Compliant with Bluetooth 5.0/4.2	
WiFi	Specification	802.11 b/g/n. Frequency: 2.4 GHz.	
Interface	LED indicator	Green LED indicator showing the GSM signal Blue LED indicator showing the GPS signal Red LED indicator showing the charging status	
	Dual sim card	Dual card single waiting, Nano-sim and E-sim (reserved)	
	USB	Micro-USB	
	Memory	8 MB flash	
Operating environment	Operating temperature (built-in battery)	-20 C to 60 C	
	Storage temperature (exclude battery)	-40 C to 80 C	
	Water resistance rating	IP67	
Function	Sensor	3-axis accelerometer (used to determine whether the tracker vibrates, is moving, or stops moving) Drop detection sensor	
	Scenarios	Installation alert or drop alert Solar charger Attachable battery box Round or polygonal geo-fence alert Low power alert for a battery box Cornering report Speeding alert Heartbeat report Impact detection Harsh cornering detection Harsh acceleration and braking detection Real-time location query, tracking by time interval, or tracking by distance	
	.Time Synchronization	GNSS , NITZ	
	Firmware update	FOTA, USB upgraded	
	Configuration	Meitrack Manager (USB), MT Manager+ APP (Bluetooth), MS03 Platform, FOTA, SMS	
	Frequency band	TA255E	GSM:850/900/1800/1900MHz      LTE-FDD:B1/B3/B7/B8/B20/B28

IP67



Container Shipping



Waste Management



Car Rental



Pallet Tracking

# Accessories



## Standard Accessories



TA255 Series tracker

MUST CHOOSE ONE OF TWO KITS



Magnetic charging cover & cable & power adapter



Power cover



L wrench



Hexagon screw



CD download card

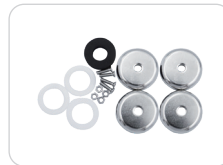
## Optional Accessories



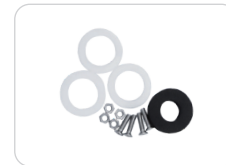
• Battery box



• Battery



• TA255 magnet kit



• TA255 magnet installation kit



• Bluetooth temperature and humidity sensor



• Bluetooth temperature and humidity sensor



• Bluetooth beacon



• Bluetooth beacon



• fuel level sensor (analog input voltage)



• Digital temperature sensor



• Bluetooth ultrasonic fuel sensor (range 100cm)



• Bluetooth ultrasonic fuel sensor (range 250cm)



• Relay(12/24V)



• iButton reader



• RFID reader



• Ultrasonic fuel level sensor (range 400cm, None AD analog output)



• Ultrasonic fuel level sensor (range 400cm)