

ST4955

Solar Powered GPS Device

The ST4955 Powerful Solar GPS telematics tracker can be used for various solutions like logistics management, monitoring the cold/supply chain, agriculture, construction with trailers, containers, and other assets.

Its rugged design prevents potentially risky breakage and leaks by the external environment. Minimized power consumption and high solar charging efficiency provide long battery life in its class.



Key Features



[Front]



[Side]



▶ **Network** : LTE Cat M1 / NB-IoT / 2G



▶ **Standby time (30min. Report/1 Day)**

- With solar charging : 27hrs with 3hrs charging

- Without solar charging : 37days with fully charged battery



▶ **BLE 5.0 communication with sensors** (*Option)



▶ **Wi-Fi Geolocation** (*Option)



▶ **Extremely low power consumption**



▶ **Waterproof IP67 / IP65 compliant**

Applications



Container/Trailer
Monitoring



Refrigerated
Logistics

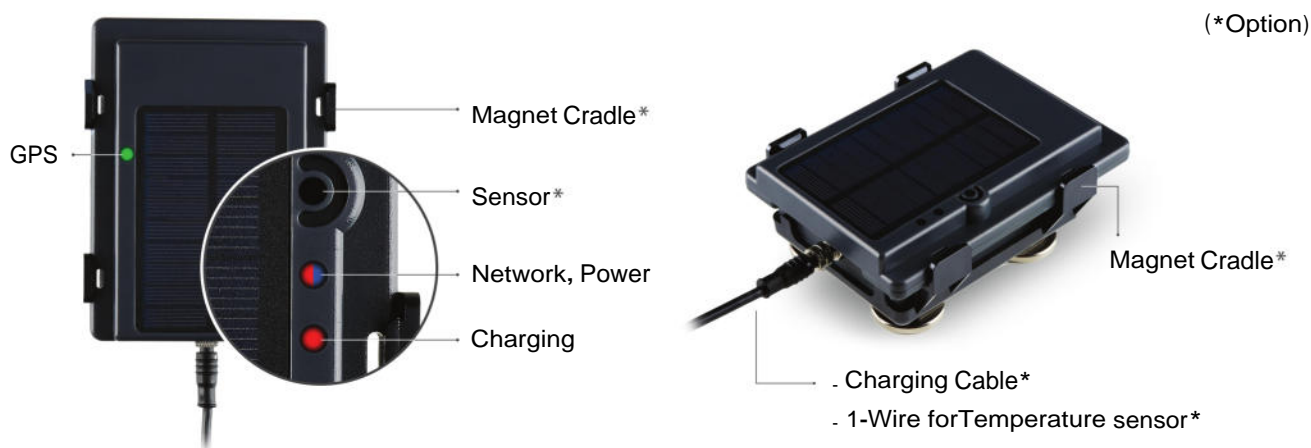


Heavy Equipment
Management/Recovery

Model	Type	Standard	Optional Accessories
ST4955	Solar (LTE M1)	GPS/3-axis/5,200mAh*	Magnet Cradle Wall Charger Vehicle Power Cable (2m) 1-Wire Temperature Sensor
ST4955B		GPS/3-axis/5,200mAh*/BLE 5.0/Wi-Fi/Sensors	
ST4955DS	Non-Solar (LTE M1)	GPS/3-axis/5,200mAh*	
ST4955BDS		GPS/3-axis/5,200mAh*/BLE 5.0/Wi-Fi/Sensors	

* We have bigger battery options for all ST4955 series. (7,800mAh, 10,050mAh)

Technical Specifications



Wireless Communication

Network	LTE Cat M1 / NB-IoT / 2G
BLE Communication	Bluetooth Low Energy 5.0 (*Option)
Wi-Fi	Wi-Fi B/G/N (2.4Ghz) (*Option)

GNSS

ReceiverType	GPS/GLONASS
AGPS	Supported (*Option)

Physical

Dimension	Without Cradle : 96(W) x 130(L) x 41.3(T) mm
	With Cradle : 100(W) x 130(L) x 50(T) mm
Weight	350g (Without Cradle)

Hardware/Interface

Sensor	Temperature, Humidity, Barometric pressure (*Option)
SIM Card	Micro SIM (3FF)
Accelerometer	Built-in 3-axis accelerometer
LED Indicator	2 (Network, Power)
I/O Interface	External Power for charging with a cable
	Ground
	1-Wire For Temperature Sensor (*Option)

Battery/Power

Internal Battery	Rechargeable 3.6V, 5,200mAh (*Option:7,800mAh/10,050mAh)
Solar Charging Amount	40mAh per 1 hour
StandbyTime (30min. Report/Day)	With Solar Charging : 27hrs with 3hrs charging
	Without Solar Charging : 37days with fully charged battery 5.5V
Power Supply	D.C Input via solar panel and DC 12V Input for Charging

Environmental

Dust and Water Resistant	IP67 (Without Humidity Sensor) – ST4955, DS
	IP65 (With Humidity Sensor) – ST4955B, BDS
Operating Temperature	-20C ~ +60C
Certificates	FCC, PTCRB, IC, CE