

ST4950

Solar Powered GPS Device

The ST4950 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



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

-With solar charging : 27hrs with 3hrs charging

-Without solar charging : 37days with fully charged battery



▶ **BLE 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

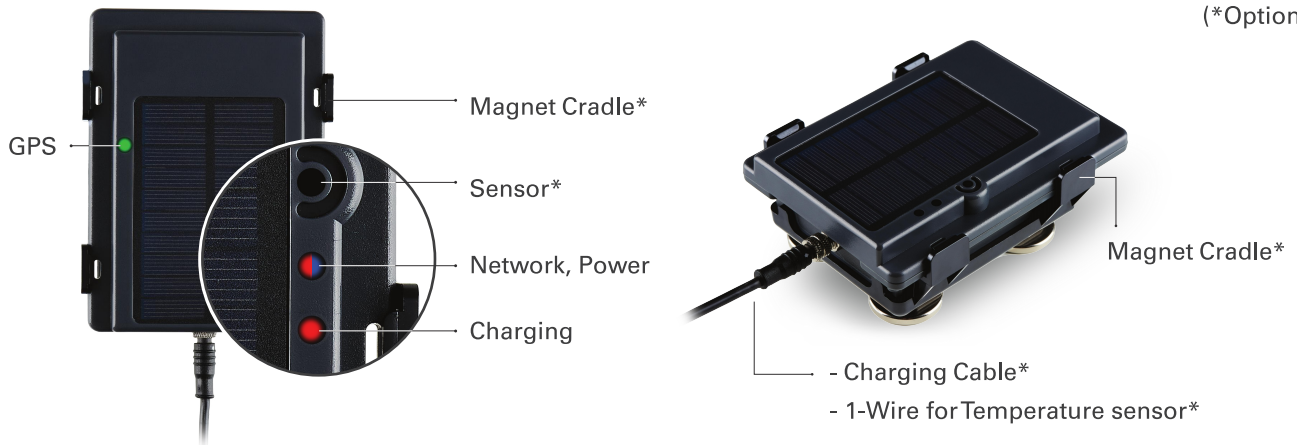
Model	Type	Standard	Optional Accessories
ST4950	Solar (LTE M1)	GPS/3-axis/5,200mAh*	Magnet Cradle Wall Charger Vehicle Power Cable (2m)* 1-Wire Temperature Sensor
ST4950B		GPS/3-axis/5,200mAh*/BLE 5.0/Wi-Fi/Sensors	
ST4950DS	Non-Solar (LTE M1)	GPS/3-axis/5,200mAh*	
ST4950BDS		GPS/3-axis/5,200mAh*/BLE 5.0/Wi-Fi/Sensors	

* Vehicle power cable is a standard only for DS, BDS.

* We have bigger battery options for all ST4950 series. (7,800mAh, 10,050mAh)

Technical Specifications

(*Option)



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

GNSS	
Receiver Type	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:7,200mAh/10,050mAh)
Solar Charging Amount	40mAh per 1 hour
Standby Time (30min. Report/Day)	With Solar Charging : 27hrs with 3hrs charging
	Without Solar Charging : 37days with fully charged battery
Power Supply	5.5V D.C Input via solar panel and DC 12V Input for Charging

Environmental	
Dust and Water Resistant	IP67 (Without Humidity Sensor) – ST4950, DS
	IP65 (With Humidity Sensor) – ST4950B, BDS
Operating Temperature	-20C ~ +60C
Certificates	FCC, PTCRB, IC