

Solar GPS Tracker FZ600 User Guide V1.1



1.Product Introduction

1.1 Preface

Thank you for choosing our vehicle tracker! To ensure proper use, please read this manual carefully.

This solar-powered vehicle tracker is an advanced solution designed for real-time monitoring of moving assets. It integrates cutting-edge low-power technology with IoT, satellite positioning, and solar energy to offer comprehensive security for trailers, containers, vans, and other in-transit cargo. Ideal for cargo supervision and safety monitoring, it ensures reliable tracking throughout transportation.

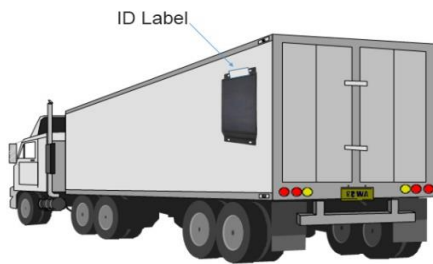
1.2 Read Before Installation

After opening the package, please check the following components:

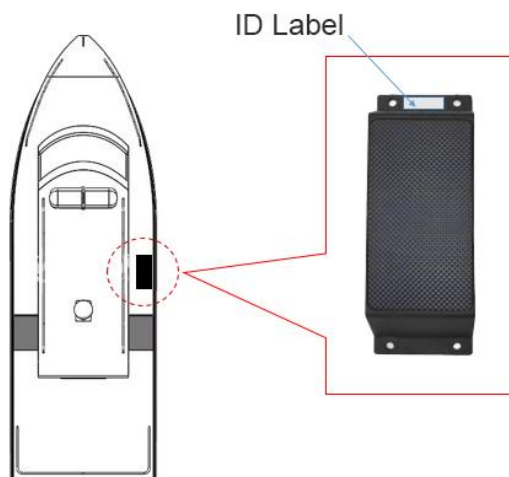
Standard Parts	QTY(PCS)
Solar GPS tracker	1
Install rivets	4
User Manual	1
USB power cable	1
Waterproof sticker for sim cover	1

1.3 Installation

- Install direction :
 - i. Truck or container: Install vertically outside the container with ID label end upside, solar panel face out.



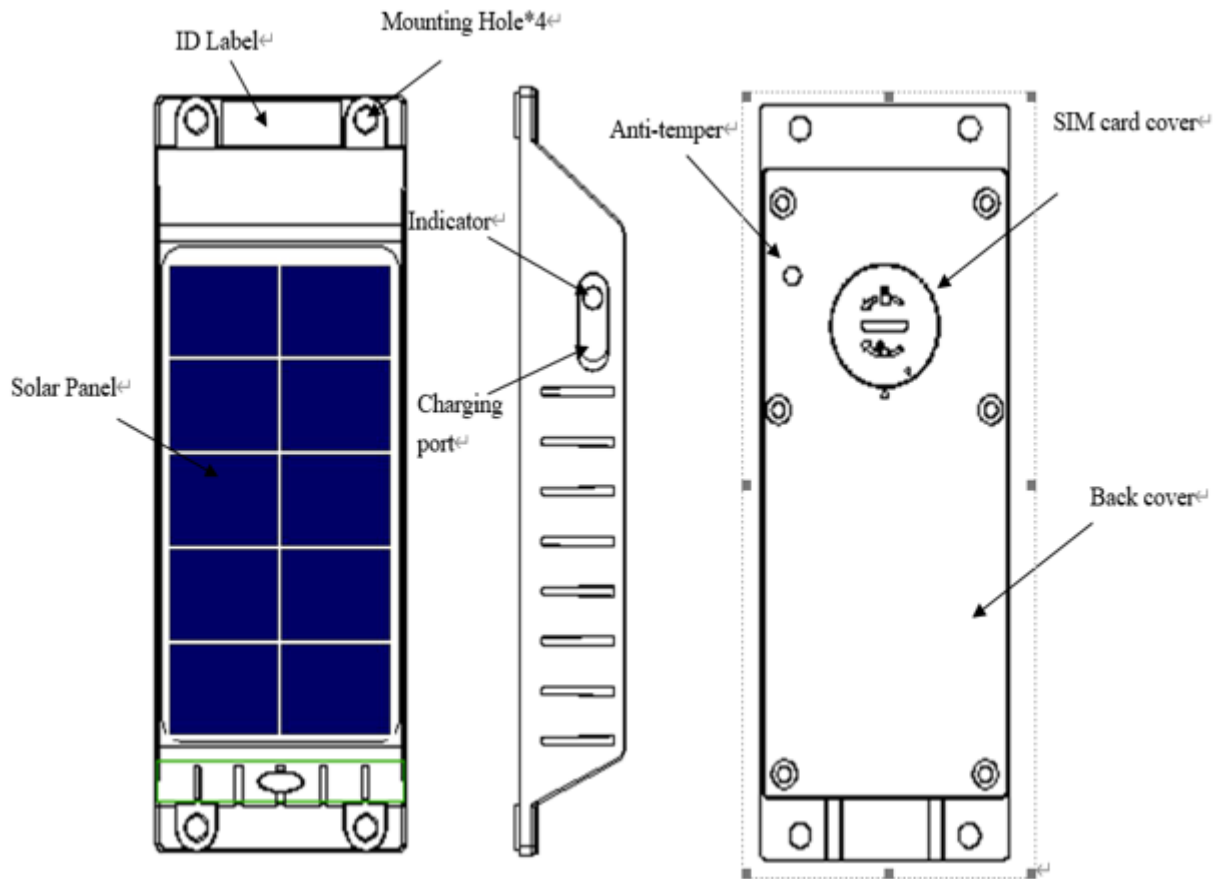
- ii. Boat: Tracker long side installed horizontally with the boat heading direction, SOS button side same with moving direction

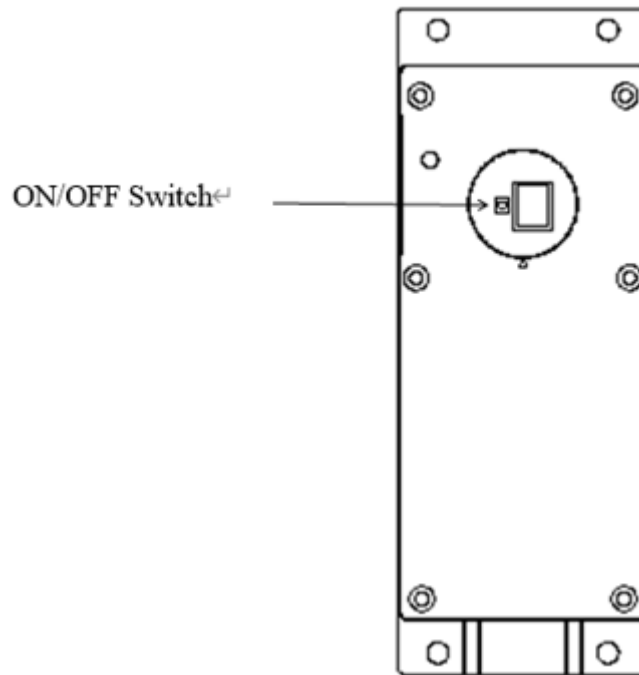


- iii. Select a smooth surface on the moving target. Use a drill to prepare the corresponding mounting hole, then secure the device with a rivet gun or a self-tapping screw.

- iv. If the GPS tracker experiences prolonged absence of sunlight and its battery becomes depleted, it can be recharged using an external power source.

1.4 Product structure





Switch ON/OFF :

- 1: **Switch ON**: switch to button ON beside SIM slot, device will turn on.
- 2: **Switch OFF**: switch to OFF to power off

LED Lights Indicators:

LED Light		ON/OFF Indication		Description
		Light On	Light Off	
GSM	Green		Off	Power Off
		<i>Always on</i>		<i>The firmware working, but the SIM card cannot be recognized</i>
		<i>Blinking every 0.1 sec</i>		<i>Searching for Cellular Network or connecting to the platform</i>
		Blinking every 1 sec		Online
GPS	Red		Off	GPS closed or GPS no data
		<i>Blinking every 0.1sec</i>		<i>Searching GPS signal</i>
		Blinking every 1 sec		GPS valid, Position get fixed
Charge	Blue	Always on		Charging
		OFF		Fully charged the battery

2. Technical Specification

Hardware Specification	
Size	6.69 × 2.52 × 1.06 inches.
N. W	9.88 Ounces
Material	PC+ABS (anti-UV)
Color	Black
Installation	Rivet installation or with screws
QR code	Optional
GPS module	GPS+LBS dual modes location
GPS antenna	Active antenna
Network	2G/CAT1/CAT4 module according to different countries requirement
Communication	Support TCP (GPRS) 、 SMS (message)
Waterproof	IP68
Working Temp	-14°F to 185°F
Storage Temp	-14°F to 185°F
Relative Humidity	5%—95%
Working Current	Working current<30mA
	Standby Current: <30uA
Battery Type	Rechargeable lithium battery
Battery Capacity	10000mAh (77 degrees fahrenheit room temperature capacity)
Battery standby	Uploading interval 10mins one ping, battery standby time over 20days Upload one positioning data a day, last over 5 years Solar panel power recharge will work all the time

3. Product Functions

Function	Details
Anti remove alarm	Un-authorized removal will send an alarm and notification
Open shell alarm	Built-in sensor for open shell alarming
Realtime tracking	Coordinate, speed, time, directions, etc
State monitor	Device state, position info, real-time battery capacity
Blind Zone Compensation	Commands real-time cache, max 2000 position datas
Smart wake up	Smart timing wakes up
Low voltage alarm	Battery low voltage alarm
Low voltage protection	Battery low voltage protection
OTA upgrading	Remote OTA upgrading on air

Uploading Interval	Location data uploading interval, can be modified on platform
SIM modify	Users can change sim if needed

