

# TST100 General description

[Main Page](#) > [E-Mobility Trackers](#) > [TST100](#) > [TST100 Manual](#) > **TST100 General description**

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## Contents

- [1 Package contents](#)
- [2 Basic characteristics](#)
- [3 Technical features](#)

TST100 GNSS GSM Bluetooth® tracker for Segway Ninebot ES4 .Sophisticated solution for electric kick scooter sharing platforms.

## Package contents

The TST100 device is supplied to the customer in a cardboard box containing all the equipment that is necessary for operation. The package contains:

- TST100 device ;
- Power supply and communication cable with a 1x5 connection pins, which is already installed into device.
- TST holder with SS zip tie ;

## Basic characteristics

GSM / GPRS / GNSS features:

- Teltonika [TM2500](#) quad band module (GSM 850 / 900 / 1800 / 1900 MHz);
- GPRS Multi-Slot class 12 (up to 85.6 kbps);
- SMS (text, data);
- Integrated GNSS receiver;
- Up to -165 dBm GNSS receiver sensitivity.

Hardware features:

- Built-in movement sensor;
- Built-in Blue-tooth 4.0;
- Internal High Gain GNSS antenna;
- Internal High Gain GSM antenna;
- 128 MB Flash (422 400 Records).

Interface features:

- Power supply: +8... +50 V;
- RX ;

- TX;
- Power control wire;
- 2 LEDs indicating device status.

Special features:

- Fast position fix;
- Quality track even in high density urban canyon;
- Ready for harsh environment;
- Easy to mount;
- Firmly fasten;
- 2 LED status indication;
- Real time tracking;
- Smart data acquisition based on:
  - Time;
  - Speed;
  - Angle;
  - Distance;
- I/O event;
- Sending acquired data via GPRS;
- GPRS and SMS I/O events;
- Jamming detection;
- Configurable using Secured SMS Commands;
- Overvoltage protection;

Description	Voltage	Duration
Normal operation	+8...+50 V	Unlimited
Protection turns on, device turns off	+50V	Unlimited
Maximum voltage	<50 V	Unlimited
Maximum voltage impulse	120 V	10 ms

## Technical features

Part name	Physical Specification
Navigation indication	LED
Modem indication	LED
USB	Mini USB socket
GNSS	Internal GNSS antenna
GSM	Internal GSM antenna

Dimension drawing:

