



THE SVR2500

The **SVR2500** can be mounted anywhere on your vehicle or asset, thanks to its sealed, rugged construction. Whether you have light or heavy-duty vehicles and assets, the **SVR2500**'s wide input power range and integrated vehicle bus interface make it the right solution for extreme conditions.

KEY FEATURES

Environmentally sealed (IP67)

Rechargeable battery can power unit up to one year

3-axis accelerometer for motion detection and driver behavior monitoring

Integrated LTE CAT M or LTE CAT 1 cellular with 3G fallback

Optional Bluetooth and vehicle bus (light duty and heavy duty) and 1-Wire interfaces

Input power range 6 – 90 VDC

MARKET APPLICATIONS

Heavy-duty construction equipment tracking

Commercial and industrial vehicles

Semi-trailer tracking

Single-purpose trailers

Outdoor generators

High-value assets





SPECIFICATIONS

CELLULAR TECHNOLOGY

LTE CAT M1 (2G FALLBACK)	Bands 2, 4, 12, 13
LTE CAT 1 (3G FALLBACK)	Bands 1,2,4,5,12,13,19,21,25,26 Bands 2,5 (3G)

CASE

DIMENSIONS	83mm x 122.6mm x 39mm includes top and bottom mounting flanges, excludes cable and connector
WEIGHT	272g

ENVIRONMENT

STORAGE TEMP	-40°C to 85°C
OPERATING TEMP	-30°C to 80°C while connected to main power -20°C to 60°C on backup battery
RELATIVE HUMIDITY	Up to 90% non-condensing
IP RATING	IP67
DROP TESTING	1 meter, 6 sides
VEHICLE VIBRATION	SAE J1455
VEHICLE TRANSIENT SURGES	ISO 7637 - 12/24 VDC
ESD	1-second pulses ±4kV direct, ±8kV indirect
MECHANICAL SHOCK	EN 60068-2-6, 27, 29
TEMPERATURE & HUMIDITY	EN60068-2-14, 30

USER INTERFACE

STATUS LEDS	3 - Cellular (amber), GPS (green), Bluetooth (blue)
ALERT(S)	Internal audible buzzer (optional)

ACCELEROMETER

16G MEMS 3-axis accelerometer

Specifications are subject to change.
Please see your SVR Tracking contact for more details.

REGULATORY APPROVALS/CERTIFICATION

FCC, IC, CE, eMark, PTCRB, GCF, SAR, RoHS
compliance applicable carriers

GPS TECHNOLOGY

LOCATION TECHNOLOGY	56 Channel GPS (with SBAS)
TRACKING SENSITIVITY	-162 dBm
LOCATION ACCURACY (OPEN SKY)	± 2.5m (CEP)
COLD/HOT START ACQUISITION	29 seconds/1 second

I/O & CONNECTORS

DIGITAL INPUTS	3-2 fixed bias low, 1 programmable bias
DIGITAL OUTPUTS	2 general purpose open collector (200mA)
ANALOG INPUTS	1 external ADC input (0-60 VDC)
SERIAL INTERFACE(S)	1 RS232 interface with power control 1-Wire bus interface (Dallas Semiconductor)
I/O CONNECTORS	8-wire captured sealed (limited I/O options), 12-wire captured sealed (inc. Bluetooth)

VEHICLE INTERFACE

ISO-15765 standard CAN, J1939 CAN protocol, CANopen option

OPTIONAL FEATURES

Bluetooth, RS485, ModBus capable

POWER

BUILT-IN BATTERY	5200 mAh rechargeable Li-Ion battery
INPUT POWER RANGE	6-90 VDC (12/24/48/72V vehicles)
TRACKING MODE	<70mA average @ 12V
IDLE MODE	<14mA average @ 12V
NORMAL SLEEP MODE	<250µA average @ 12V

BLUETOOTH/WiFi/NFC

BLUETOOTH	3v4.2/5.0 BLE with internal antenna (optional)
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Version: November 2022

