Data Logger and Tracker TL101



Remote monitoring and control of special-purpose electric equipment. Battery parameter measurement, location tracking, and data transmission to a cloud server.

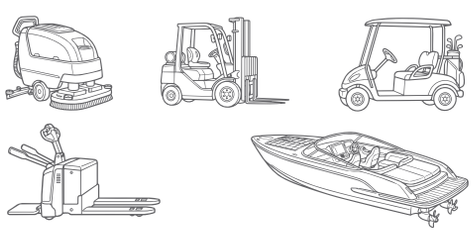
Advantages

- 2G/3G/4G and GPS/GLONASS connectivity.
- Two inputs and two power outputs.
- Data access via web interface and API.

Technical specifications

Power supply	
Input voltage range	8-50 V DC, reverse polarity protection
Nominal battery voltage	24 V, 36 V
Battery type	Lead-acid, lithium-ion
Power consumption	1.2 W (max.)
Communication	
2G	GSM 900/1800 MHz
3G	WCDMA B1/B5/B8
4G	LTE-FDD B1/B3/B5/B7/B8/B20, LTE-TDD B38/B40/B41
GNSS	GPS/GLONASS
Cellular / GNSS antennas	Internal
SIM	eSIM
Interfaces	
General-purpose digital inputs	2
General-purpose digital outputs	2 (dry contact, 55 V, 20 A)
LED indication	Status indicator
Functions	
Sensors	Current, voltage, temperature, three-axis acceleration, humidity
Offline data storage	Up to 14 days with automatic synchronization
Firmware update	OTA
Time synchronization	GNSS, NTP
Operating conditions	
Operating / storage temperature	-20 °C to +55 °C
Operating humidity	5% to 95%
Ingress protection rating	IP42
Physical characteristics	
Dimensions	115 x 80 x 23 mm (L x W x H)
Weight	145 g

APPLICATIONS



- FLOOR SCRUBBERS
- ELECTRIC FORKLIFTS
- GOLF CARTS
- ELECTRIC TROLLEYS
- ELECTRIC BOATS

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