

TEDEG - POWERGUARD POWER BACK-UP UNIT



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PowerGuard - Additional Battery Unit is a power backup solution specifically designed for Tactical Wheeled Vehicles and platforms. This package offers reliability and flexibility by ensuring uninterrupted operation of mission-critical systems and a backup power source in case of emergency.

Features and Functions:

The Additional Battery Unit is designed to meet the power needs of the vehicle. It is positioned to be activated in case of battery failure or when additional power is required for special tasks.

It is designed to store and quickly transmit the electrical energy required for activation and control of the vehicle system.

It is designed to provide the additional power needed by the system for at least 10 minutes.

When the vehicle's ignition is turned off, it continues to provide power for 3 hours.

It has Operational and Maintenance modes. Switching between modes is accomplished via an easy-to-access selector switch.

Performance and Security:

It has the ability to operate in the range of 16-32 VDC.

The hardware is designed in accordance with specified military standards and ensures reliable operability in a variety of conditions.

Safety measures include overcharge, overdischarge, overcurrent and short circuit protections.

The ability to interrupt the flow of electricity is provided through a digital switch accessible only to authorized users.



Feature	Value
Area of Use	Power backup solution for Tactical Wheeled Vehicles
Main Quest	Providing additional power in case of battery failure and for special tasks
Power Capacity	3600 F
Operating voltage	16-32 VDC
Power Storage Cell	supercapacitor
Charging Time	30 minutes from 0% to 90% at 22±5°C
Operating temperature	-40°C and +60°C
Storage Temperature	-55°C and +70°C
Protection Levels	Overcharge, discharge, current and temperature protection
Interfaces	CAN bus, programming socket
Indicators	LED indicators (charge, discharge, error)
Dimensions	185 x 180 x 120 ±10 mm
Weight	Maximum 1 kg
Material	Aluminum 5754-H0/111 or equivalent
Connectors	DT04-12PB-L012 or equivalent
Cables	Conforms to IPC/WHMA-A-620 standard
Fuses	Automotive type 30A blade fuses

Additional Information:

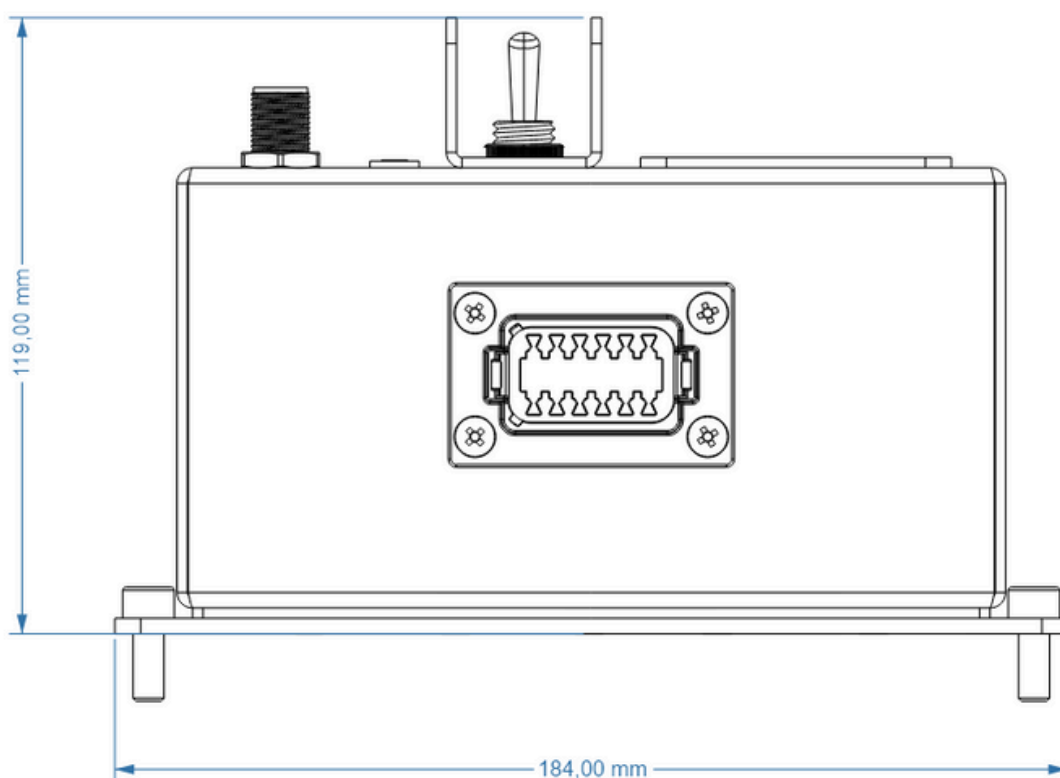
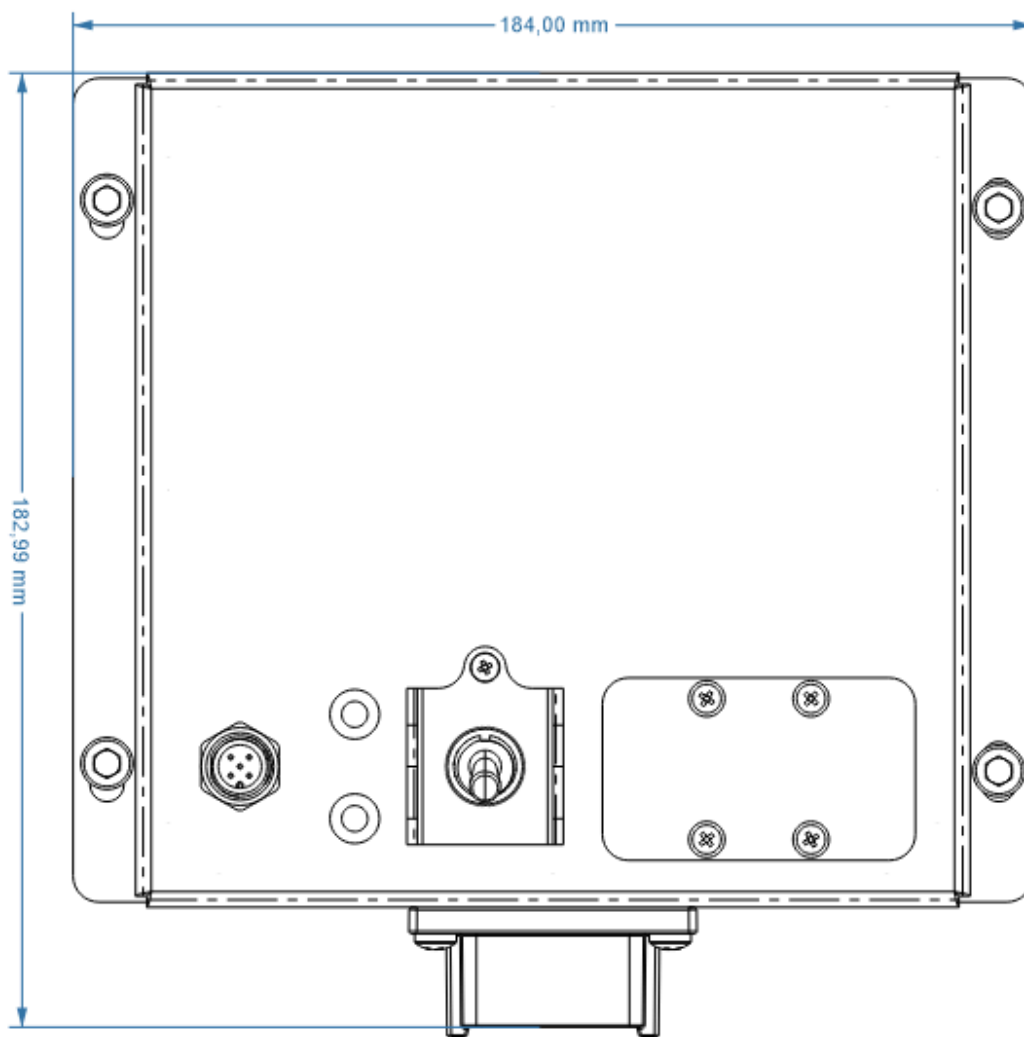
EBB can report information such as battery voltage, charge status, health status and capacity via CAN bus. EBB has BIT (Built-In Test) feature and can diagnose faults by dividing them into at least 4 different groups.

EBB is capable of CAN bus communication at 500 Kbps and selectable speeds.

EBB's mechanical interfaces comply with MIL-STD-810G.

PowerGuard Unit

Dimensions



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