

PowerTrac SP+ Series

BATTERY DATA LOGGER



Critical information at your fingertips

- + Remote monitoring delivered with minimal infrastructure costs
- + Quick access to custom reports & charts
- + Efficiently manage battery charging & utilization

Sustainability

- + Extend battery life
- + Eliminate extra batteries
- + Reduce the need to purchase multiple chargers through flexible & reconfigurable design

Maximize energy savings

- + Reduce energy costs
- + Increase energy efficiencies
- + Avoid peak power demand penalties

The PowerTrac SP+ Series is a battery monitoring system developed specifically to meet the needs of industrial and motive battery systems. Using your battery while it is undercharged, low on water or operated at high temperatures could shorten the life of your battery, cause equipment malfunctions and negatively affect performance and productivity. The PowerTrac SP+ is a compact electronic device that attaches to your battery to provide you with instant battery diagnostics. The PowerTrac SP+ continuously acquires battery parameters, processes information and stores relevant data when an event change occurs. The battery monitor tracks and logs various battery performance data including battery voltage, battery temperature, and battery current. A conventional current shunt is used to provide precise battery current sensing.

Monitors and Logs Critical Battery Performance Data

The PowerTrac SP tracks and saves critical battery performance data including:

- + Instantaneous battery voltage, battery current, and temperature
- + Charge and discharge Amp-Hours since installation and per event
- + Charge and discharge events, including:
 - Event type (charge/discharge/open)
 - Event start time and duration
 - Minimum and maximum voltages with time stamps
 - Maximum current and temperature with time stamps
 - Event Amp-Hours of charge/discharge
 - Event end voltage (30 second average)
 - Over/under voltage, over current, & over temperature alarms

Typical reports and charts

- + "Daily" Ahrs Used and Replaced
- + Log of All Charge/Discharge Cycles
- + Battery Assessment
- + End of Charge/Discharge Voltage
- + Ahrs of Charge/Discharge
- + Maximum Charge Temperature
- + Daily Energy Usage

Features

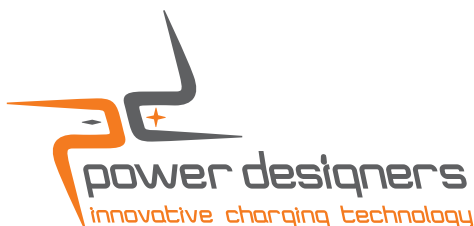
- + Extends battery service life and reduces maintenance costs
- + Tracks battery performance over its entire life
- + Helps to oversee and schedule maintenance operations
- + Predicts battery replacements
- + Helps identify and solve battery/truck field problems
- + Wireless data transfer with superior microprocessor controls
- + Can be used with most battery types
- + Non volatile memory
- + Can be programmed to track individual battery performance as well as entire fleet performance

Options

- + External/Internal Thermistor
- + Electrolyte Level Sensor
- + RS-485 Communication (PowerCharge Interface)
- + RS-232 Communication (Realtime Data Collection)

PowerTrac SP+ Specifications

Nominal Battery Voltage	12 - 84V DC
Operating Temperature	-25°C - 60°C
Protection	Reverse Polarity Protection
Interface	Infrared (IR) Port Options: RS-232, RS-485
Current Shunt	Standard 50mV Shunt (External)



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