

PowerTrac DT

CHARGING SOLUTION DIAGNOSTIC TOOL

The PowerTrac DT is a diagnostics tool that monitors and logs material handling vehicle performance over a short period of time. The PowerTrac DT allows users to select and size batteries for evaluating electric vehicle applications and equipment.

The PowerTrac DT records the vehicles ampere-hours (Ahr) during the time the PowerTrac DT is installed. The PowerTrac DT can help you determine how many batteries you need, why batteries might not be lasting as long as they should and if opportunity or fast charging are a better fit for your facility. The PowerTrac DT helps you determine the best battery/charging solution based on your power study data.

The PowerTrac DT is a plug-and-play device that is easy to install, which makes it quite easy to use with existing battery systems. PowerTrac DT is a real-time data logging system that tracks battery activity during the short-time the unit is plugged into the battery. Once disconnected the data is stored in the non volatile memory for access at a later date.



Features

- + Plug & play operation
- + Wireless (IR dongle) data transfer with superior microprocessor controls
- + Easy installation
- + Compatible with a wide array of material handling electric equipment
- + Tracks battery performance
- + Select and size batteries properly
- + Non volatile memory (no data loss after disconnection)
- + One click reporting and charting
- + Monitor daily energy usage over a short period of time



Monitors and Logs Critical Battery Performance Data

The PowerTrac DT 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

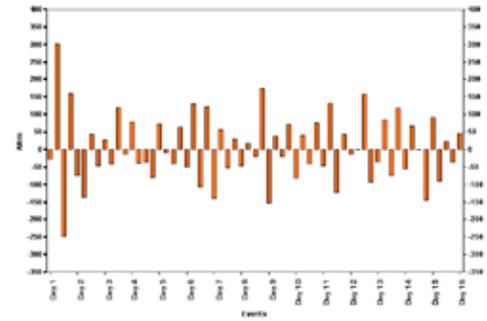
- + "Daily" Ahrs Used and Replaced
- + Log of All Charge/Discharge Cycles
- + Battery Assessment
- + End of Charge/Discharge Voltage
- + Ahrs of Charge/Discharge
- + Maximum Charge/Discharge Temperature
- + Daily Energy Usage

PowerTrac DT+ Specifications

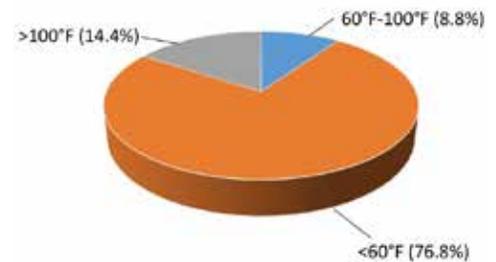
Nominal Battery Voltage	12 - 84V DC
Operating Temperature	25°C - 60°C
Protection	Reverse Polarity Protection
Interface	Infrared (IR) Port
Connector	Color Coded Keyless SB350*

* Cable adapter available for additional connections

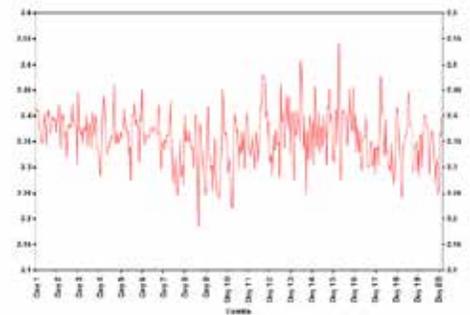
Example reports and charts



Battery Amp-Hour
(Charge & Discharge)



Battery Temperature Distribution



Maximum Voltage



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