






Company History & Technology

Power Designers USA LLC is a high tech company specializing in industrial battery powered systems. Founded in 1998, Power Designers USA LLC has developed a complete line of Battery Management Solutions for electric trucks and vehicles. The company's line of products include high frequency battery charges and modular fast chargers employing state of the art MOSFET and IGBT technologies, advanced battery monitors, cost effective battery conditioners and cyclers.

Technology and Products

	<h3>REVOLUTION Series</h3> <p>The REVOLUTION series is a full line of smart battery chargers with energy efficiencies that exceed current charging technology that will revolutionize electric motive power. The REVOLUTION line of chargers employs a patent pending technology that maintains efficiencies of 90% or greater over the entire charge cycle.</p>
	<h3>PowerCharge Series</h3> <p>The PowerCharge Series is a complete line of intelligent high frequency and high efficiency chargers designed for conventional, opportunity, and fast charging applications. Modular designs offer greater flexibility and scalability, allowing for high availability and simpler installation and service.</p>
	<h3>PowerTrac SP</h3> <p>The PowerTrac SP Series is a line patented battery and charger monitoring system for logging and tracking industrial battery performance developed specifically to meet the needs of industrial and motive battery systems. The battery monitor tracks and logs critical battery performance data.</p>
	<h3>PowerCharge.NET</h3> <p>A web-based remote monitoring and fleet management system. Designed to provide detailed information on batteries and chargers, PowerCharge.NET reduces maintenance and service costs by optimizing fleet deployment and usage, making it easier to manage entire fleets of chargers, batteries, and trucks.</p>
	<h3>iLev</h3> <p>An intelligent Water Level Indicator that keeps track of battery water level information and gives indication of when it is best to water the battery.</p>

Save Money with Innovative Charging Technology

Optimize Cost Savings

Reduce labor and capital costs

- Eliminate battery change-out

Reduce risks

- No chance of dropped battery
- Eliminate truck accidents by removing need for trucks to converge at a single point.

Maximize Energy Savings

Reduce energy costs by increasing energy efficiencies

- High charging efficiency at 92%
- Avoid peak power demand penalties

Redefine Fleet Management Efficiencies

Collect, analyze, and communicate critical information

- Battery condition information
- Alerts for low water levels, low states of charge, and missed equalization
- Workforce productivity information

Manage entire fleet from a single location with **PowerCharge.NET**

- Avoid peak power demand penalties
- Manage truck utilization
- Control over and under use of batteries

Real Case Examples

Food Products Service Distributor Saves on Energy and Capital

- 12 trucks total
- Energy cost only 3 cents per kWhr
- \$2,600 per year in energy savings
- \$56,000 per year in labor productivity savings

Global Third Party Logistics Company Optimizes Cost Savings

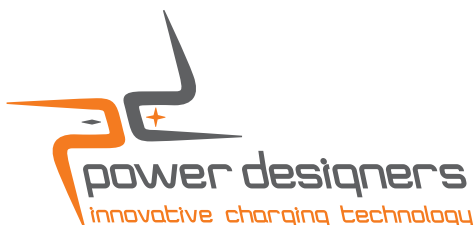
- Eliminating battery change outs saves \$4,500 per truck annually in change out labor

Global Automotive Manufacturer Right Sizes Fleet to Reduce Capital Costs

- Monthly analysis of battery data
- Manage truck utilization
- Control over and under use of batteries

Large Distribution Center Establishes Battery Management Practices

- Savings of \$700,000 in reduced battery maintenance and replacement costs
- Battery tracking, automatic alerts, and customized reports simplify battery management



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Power Designers USA LLC reserves the right to incorporate design and material changes without notice or obligation.

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