



BEST IN CLASS



CHARGER MODES:

- Conventional
- Opportunity
- Fast
- Lithium Battery

POWERHOUSE CHARGER FAMILY

The PowerHouse Charger family is the best in class. As a private label, PowerHouse is able to research the highest quality and best value chargers on the market. PowerHouse provides the best match for your application, to get you the most efficient use of your equipment.

PowerHouse charging equipment is designed and engineered to meet strict quality standards. Every unit is tested and assembled to meet specifications for out-of-the-box usage, with little hassle. Systems are fully customized with programming before being readied for shipment through our various U.S. facilities.



EP CHARGER

- ▶ Full featured, light to medium duty
- ▶ ECO-250 microprocessor control
- ▶ Standard 208/240/480 input voltages
- ▶ 600 input available
- ▶ UL and cUL listed



PEL CHARGER

- ▶ Ferroresonant charger
- ▶ 100% battery AH return in 10 hours or less
- ▶ Peak efficiency 87%
- ▶ Power factory 92%
- ▶ Low maintenance
- ▶ Fully automatic



PHP CHARGER

- ▶ Three-transformer ferroresonant design
- ▶ Standard or premium controls available
- ▶ LED/LCD display test at startup
- ▶ Lift-off front door
- ▶ Components mounted for ease of maintenance
- ▶ AC Input Taps for quick voltage changeover





ACCESS CHARGER

- ▶ Microcomputer Smart Charger
- ▶ Charges all common battery types
- ▶ Peak efficiency 92%
- ▶ Power factor 95%
- ▶ Low weight and small volume
- ▶ Advanced precision control for best battery life
- ▶ Display and control panel permits simple charging
- ▶ Wireless radio standard
- ▶ Wireless communication with BMU Pro
- ▶ Low/480/600 VAC



FLEXMOD CHARGER

- ▶ Small, lightweight, modular design
- ▶ Conventional, Opportunity, or Fast Charge
- ▶ Multi-voltage/DC capable
- ▶ Multi-AH capable
- ▶ Peak efficiency 94%
- ▶ Power factor 95%
- ▶ Wireless communication with TOBi WI-Z Battery Monitor
- ▶ 24 pre-loaded charger algorithms



Conventional Charging

The industry standard charging profile for 8 hours of usage, 8 hours of charging and an 8 hour cool down period. Common for industrial lead-acid batteries in a wide array of material handling equipment. Conventional charging can be used in multiple shift applications with spare batteries or in single shift applications.



Opportunity Charging

As the name implies, charging takes place throughout the day when the opportunity presents itself. Opportunity chargers deliver more current output vs. conventional chargers, and therefore much faster charging speeds. Batteries remain in the vehicle while charging, which eliminates the expense of owning and maintaining multiple batteries per truck.



Fast Charging

In high volume distribution centers, warehouses and factories where opportunity charging is insufficient to counter usage, fast charging technology is the solution.



Lithium Battery Charging

Lithium batteries must be charged with a charger that is both powerful and precise. Most lithium batteries can be charged at a much higher rate than conventional batteries. In all cases the BMS of the battery sends a signal to start the charge and to end the charge at the appropriate time. The PowerHouse Access charger is compatible with most popular lithium battery systems including those that directly control the charger output via CANbus.

SPECIALTY CHARGERS



ECOPOINT HF1

- ▶ Efficient High Frequency Single Phase Input
- ▶ Near Unity (0.99) Power Factor
- ▶ 4 Status LEDs
- ▶ 2 Safety shutdown modes
- ▶ Smart Proportional charge termination
- ▶ Simple Operation
- ▶ Easy service
- ▶ Standard 190 thru 240 VAC input voltage range
- ▶ UL and cUL listed



PAC CHARGERS

- ▶ Status LED
- ▶ Safety shutdown modes
- ▶ Smart Proportional charge termination
- ▶ Simple Operation
- ▶ 120VAC input, 12A or less
- ▶ UL and cUL listed
- ▶ 800 or 1300 watt models
- ▶ Steel enclosures for top mounted pallet jack batteries
- ▶ Light weight with very small form factor



POKER SHOP CHARGER

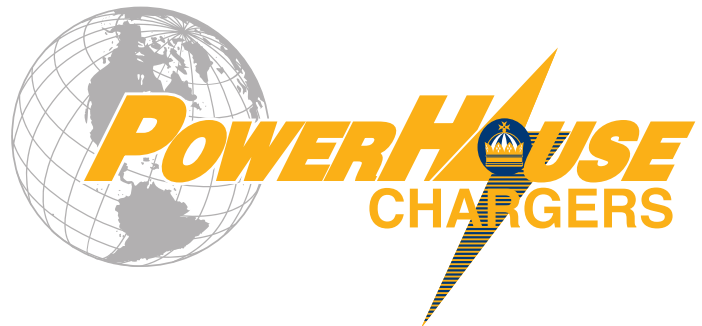
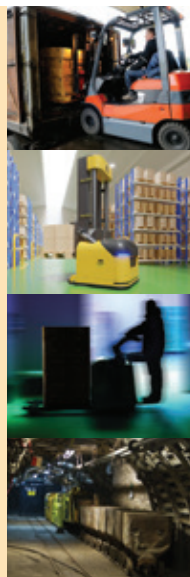
- ▶ AC input: 120V AC $\pm 5\%$, UL-listed 20A input fuse
- ▶ Input Current 15A AC max. Equipped with NEMA 5-15A cables
- ▶ Output: suitable for 12V, 24V, 36V and 48V lead-acid batteries
- ▶ Electromechanical timer adjustable from 0 to 24 hours max
- ▶ Electromechanical switch for output voltage selection
- ▶ Ammeter: 100A/100mV
- ▶ Cabinet with wheels and handlebar for easy handling
- ▶ 24V AC auxiliary circuit with overload cutout and 1.6A fuse



APPLICATIONS

There is an PowerHouse charger for nearly every electric vehicle and nearly every application from the largest distribution center to a small job shop.

- ▶ Forklifts
- ▶ Pallet Jacks
- ▶ Tuggers
- ▶ AGVs
- ▶ Floor Cleaners
- ▶ Maintenance Equipment
- ▶ Personnel Lifts
- ▶ Personnel Carriers
- ▶ Golf Carts



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