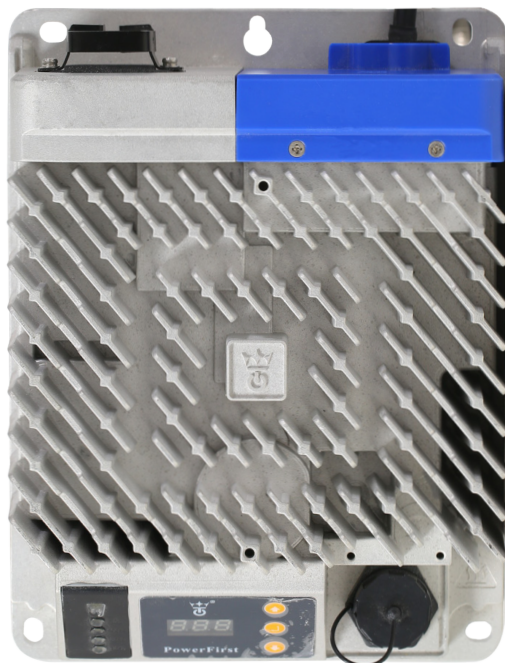




24V 15A, 36V 10A, 48V 8A, 2 Year Global Replacement Warranty CLAIM<0.1%



Mission 450



Intelligent design for charging AGM, GEL, Flooded and Lithium batteries, the Mission 450 Charger is available in on- and off-board configurations. Optional CAN bus communication ensures seamless machine integration and AC/DC cabling is completely customizable.

Main applications:



- High Reliability: Engineered using design for reliability. Validated for long service life in harsh operating conditions. Tested to perform reliably and durably in automotive applications. Manufactured in a world class facility specializing in high reliability solutions.
- Premium charging Quality: Charge profiles to precisely charge AGM, GEL, Flooded and Li-ion batteries. Developed in PowerFirst's battery lab to balance charge time, battery life and application requirements.

- USB datalog & Machine Integration: Assists machine troubleshooting with built - in charge cycle tracking. Download data / upgrade software through USB host port. Optional CAN bus communication enables deep machine integration, diagnostics and control.
- Global + Efficient: Capable of operating reliably on any single-phase grid worldwide. High-efficiency performance for electricity savings and shorter charge times. Active cooling enables optimal peak performance.

Mission 450 Charger Specifications

Table with 4 columns: DC Output, 24 VDC, 36 VDC, 48 VDC. Rows include Maximum DC output voltage, Maximum DC output current, Maximum DC output power, Deep discharge recovery, Maximum C3 interlock current, Battery type, Reverse polarity, and Short circuit.

Table with 2 columns: AC Input, 85-270 VAC, 100-240 VAC, 45 / 65 Hz, 4.5 A, 5 A @ 100 VAC, 2.1 A @ 240 VAC, >0.99 @ 120 VAC, >0.98 @ 230 VAC. Rows include AC input voltage range, Nominal AC input voltage, Nominal AC input frequency, Maximum AC input current, Nominal AC input current, and Power factor.

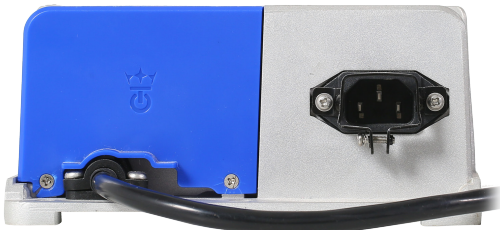
Table with 2 columns: Regulatory, 94% @ 240 VAC, 24 VDC, 91% @ 120 VAC, 24 VDC, California Energy Commission (CEC) compliant, UL1564, CSA 107.2, EN 60335-2-29, AS / NZS60335-2-29, FCC Part 15 / ICES 003 Class A, EN55011, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2. Rows include Efficiency, Safety (LVD), Emissions (EMC), and Immunity (EMC).

Table with 2 columns: Mechanical, L230 x W175 x H80 mm, 1.8 kg, IEC320 / C14 (requires country-specific cord), M6 threaded fasteners for ring terminals (field replaceable), Sealed (IP66) USB 2.0 Host Port (Type A) with dust cover, 7.0mm diameter slots, convection cooling. Rows include Dimensions, Weight, AC input connector, DC output connector, Service port, Mounting holes, and Cooling.

Table with 2 columns: Environmental, IP66 (NEMA4), -20°C to +40°C, Derated at >40°C, -50°C to +65°C. Rows include Enclosure, Operating temperature, and Storage temperature.

Visit epowerfirst.com/charger/mission-family/ to view the complete product datasheet.

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- Highlighted Features:
- Optional CAN bus, RS485, PC, Wi-Fi, Bluetooth communication for machine integration or lithiumBMS.
- User friendly LED indicators for AC source, battery status, charging, error.
- Field programmable with up to 30 charge profiles
- Auto-recharge for low voltage in maintenance mode
- OEM customizable & field replaceable AC/DC cabling
- Additional portable handle available

