



Mission 720



Intelligent design for charging AGM, GEL, Flooded and Lithium batteries, the Mission 720 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 720 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, 50 / 60 Hz, 10 A, 8 A @ 100 VAC, 3.3 A @ 240 VAC, >0.99 @ 120 VAC, >0.98 @ 230 VAC.

Table with 2 columns: Regulatory, 90% at full load, 120 VAC, 48 VDC | 92% at full load, 240 VAC, 48 VDC, California Energy Commission (CEC) compliant, UL1564, CSA 107.2, EN 60335-2-29, FCC Part 15 / ICES 003 Class A, EN55011, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2.

Table with 2 columns: Mechanical, L250 x W180 x H80 mm, 2.5 kg, IEC320 / C14, M5 threaded fasteners for ring terminals, Sealed (IP66) USB 2.0 Host Port (Type A) with dust cover, 6.4mm (1/4") diameter slots, convection cooling.

Table with 2 columns: Environmental, IP66 (NEMA4), -40°C to +65°C, Derated at >40°C, -40°C to +85°C.

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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

