



Smart 800

Intelligent design for charging AGM, GEL, Flooded and Lithium batteries, the Smart 800 Charger is available in on- and off-board configurations. 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.
- Machine Integration: Option CAN bus communication enables deeo machine integration,disgnostics 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.

Smart 800 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 ±10%, 50 / 60 Hz, 9.5 A, 9.5 A @ 100 VAC, 4.75 A @ 240 VAC, >0.99 @ 120 VAC, >0.98 @ 230 VAC.

Table with 2 columns: Regulatory, 88% at full load, 120 VAC, 48 VDC | 99% at full load, 240 VAC, 48 VDC, UL1564, CSA 107.2, EN 60335-2-29, EN55014, EN 61000-3-2, EN 61000-3-3.

Table with 2 columns: Mechanical, L241.2 x W135 x H60 mm, 2.5 kg, IEC320 / C14 (requires country-specfic cord), Customizable, CAN bus 485 (optional), ON / OC, Active cooling with fan (Variable speed).

Table with 2 columns: Environmental, IP21, -20°C to +45°C, Derated at >45°C, -40°C to +70°C.

Visit epowerfirst.com/charger/Smart-family/ to view the complete product datasheet.
Copyright © 2022 PowerFirst Company Limited. All rights reserved.

- Highlighted Features:
Optional CAN bus, RS485, PC, Wi-Fi, Bluetooth communication for machine integration or lithiumBMS.
User friendly LED indicators for AC source, batterystatus, 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

