



Table with 2 columns: Voltage (12V, 24V, 36V, 48V) and Current (30A, 20A, 13A, 10A)

Smart 600

Intelligent design for charging AGM, GEL, Flooded and Lithium batteries, the Smart 600 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 600 Charger Specifications

Table with 5 columns: DC Output, 12 VDC, 24 VDC, 36 VDC, 48 VDC. Rows include Max. DC output voltage, Max. DC output current, Max. DC output power, Deep discharge recovery, Maximum interlock current, Battery type, Reverse polarity, Short circuit.

Table with 2 columns: AC Input, 85-270 VAC, 100-240 VAC ±10%, 50 / 60 Hz, 7 A, 7 A @ 100 VAC, 3.5 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, 2.2 kg, IEC320 / C14 (requires country-specifc 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

