



PF2402SL

Intelligent design for charging AGM, GEL, Flooded lead acid batteries and various Lithium batteries, and widely used for electric wheelchairs, mobilities, scooters, e-bikes, medical equipments, etc... PF2402SL charger meets the ISO 7176-21:2009 standard. AC/DC cable 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.
- Can be used globally: Charger takes universal inputs. (90-264 Vac, 47-63 Hz) Customization and global certificates are optional and available.
- 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.

PF2402SL Charger Specifications

Table with 2 columns: DC Output, 24 VDC. Rows include Maximum DC output voltage (33.6 V), Maximum DC output current (2 A), Maximum DC output power (60 W), Deep discharge recovery (10 V), Maximum C3 interlock current (5 A), Battery type (Lead acid), Reverse polarity (Electronic protection), and Short circuit (Electronic current limit).

Table with 2 columns: AC Input. Rows include Nominal AC input voltage (100-240 VAC), Nominal AC input frequency (50 / 60 Hz), Maximum AC input current (0.8 A), Nominal AC input current (0.6 A @ 120 VAC, 0.28 A @ 230 VAC), and Power factor (>0.99 @ 120 VAC, >0.98 @ 230 VAC).

Table with 2 columns: Regulatory. Rows include Efficiency (94% @ 240 VAC, 91% @ 120 VAC), Safety (LVD) (IEC 60335-1:2010, BS EN 60335-2-29:2004), Emissions (EMC) (EN IEC 55014-1:2021, BS EN 55014-1:2017), and Immunity (EMC) (EN IEC 55014-2:2021, BS EN 55014-2:2015).

Table with 2 columns: Mechanical. Rows include Dimensions (L135.4 x W65.5 x H38 mm), Weight (0.7 kg), AC input connector (IEC320 / C14), DC output connector (Customizable), inhibit function (ON / DC), and Cooling (Active cooling with fan).

Table with 2 columns: Environmental. Rows include Enclosure (IP21), Operating temperature (-20°C to +45°C), and Storage temperature (-40°C to +60°C).

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- Highlighted Features:
- User friendly LED indicators for AC source, battery status, charging, error.
- Auto-recharge for low voltage in maintenance mode
- OEM customizable & field replaceable AC/DC cabling
- With ISO 7176-21:2009 certificate

