



**12V**  
15A

**24V**  
10A

**36V**  
7A

**48V**  
5A



## PRO 300



Intelligent design for charging AGM, GEL, Flooded and Lithium batteries, the PRO 300 Charger is widely used in different industries such as Material Handling, Aerial Work Platform, Cleaning and Light vehicles.

### 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.

**Charging profile setting**  
Two or four Charging profiles set by one two selection cables, connected for one, disconnected for other.

**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.

**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.

## PRO 300 Charger Specifications

DC Output	12 VDC	24 VDC	36 VDC	48 VDC
Maximum DC output voltage	18 V	36 V	48 V	62 V
Maximum DC output current	15 A	10 A	7 A	5 A
Maximum DC output power	300 W			
Maximum C3 interlock current	7 A			
Battery type	Lead acid (wet / AGM / gel), lithium			
Reverse polarity	Electronic protection with auto-reset			
Short circuit	Electronic current limit			

AC Input	
AC input voltage range	85-270 VAC
Nominal AC input voltage	100-240 VAC
Nominal AC input frequency	50 / 60 Hz
Maximum AC input current	4 A
Nominal AC input current	3.4 A @ 100 VAC
	2.8 A @ 120 VAC
Power factor	1.45 A @ 230 VAC
	1.4 A @ 240 VAC
	>0.99 @ 120 VAC
	>0.98 @ 230 VAC

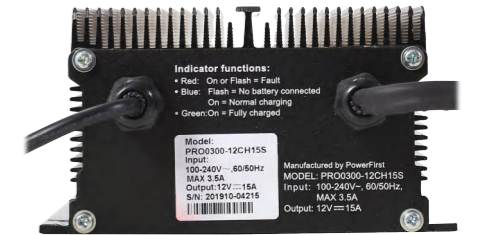
Regulatory	
Efficiency	90% at full load, 120 VAC, 48 VDC   92% at full load, 240 VAC, 48 VDC California Energy Commission (CEC) compliant
Safety (LVD)	UL1564, CSA 107.2, EN 60335-2-29
Emissions (EMC)	FCC Part 15 / ICES 003 Class A, EN55011, EN 61000-6-4
Immunity (EMC)	EN 61000-3-2, EN 61000-3-3, EN 61000-6-2

Mechanical	
Dimensions	L187 x W122.5 x H66.3 mm
Weight	1.6 kg
AC input connector	IEC320 / C14 (requires country-specific cord)
DC output connector	Customizable
Mounting holes	6.4mm (1/4") diameter slots
Cooling	convection cooling

Environmental	
Enclosure	IP54
Operating temperature	-20°C to +65°C
Storage temperature	-40°C to +85°C

Visit [epowerfirst.com/charger/pro-family/](http://epowerfirst.com/charger/pro-family/) to view the complete product datasheet.

Copyright © 2022 PowerFirst Company Limited. All rights reserved.



**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
- Additional portable handle available

