



24V
120A

36V
80A

48V
60A

Global Replacement Warranty

2 YEARS

CLAIM < 0.1%



G3600



Intelligent design for charging AGM, GEL, Flooded and Lithium batteries, the G3600 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.

G3600

Charger Specifications

DC Output	24 VDC	36 VDC	48 VDC
Maximum DC output voltage	36 V	54 V	72 V
Maximum DC output current	120 A	80 A	60 A
Maximum DC output power	3600 W		
Deep discharge recovery (minimum voltage)	16 V	24 V	32 V
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	85-264 VAC	
Nominal AC input voltage	100-240 VAC	
Nominal AC input frequency	50 / 60 Hz	
Maximum AC input current	47 A	
Nominal AC input current	40 A @ 100 VAC	17.5 A @ 230 VAC
Power factor	>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
Safety (LVD)	UL1564, CSA 107.2, EN 60335-2
Emissions (EMC)	EN 61000-6-4, EN55014
Immunity (EMC)	EN 61000-3-2, EN 61000-3-3, EN 61000-6-2

Mechanical	
Dimensions	L322 x W307 x H193 mm
Weight	21 kg
AC input connector	3*10 AWG wire
DC output connector	Anderson S120 APP, customizable
Service port	CAN or RS 485
Mounting holes	7.0mm
Cooling	Active cooling with fan

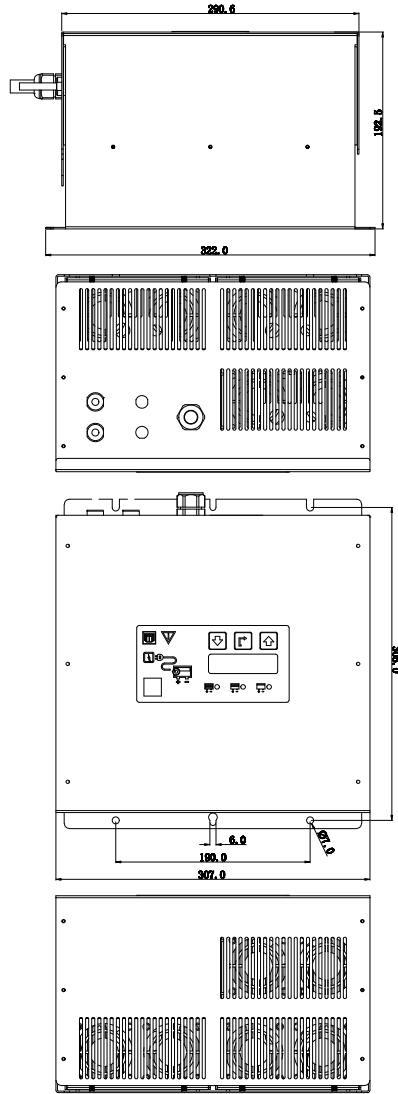
Environmental		
Enclosure	IP21	
Operating temperature	-10°C to +45°C	Derated at >40°C
Storage temperature	-40°C to +85°C	

Visit epowerfirst.com/charger/glory-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



Request more Information

PowerFirst Technology Company Limited

www.epowerfirst.com

marketing@epowerfirst.com

star@epowerfirst.com