

PowerFirst Technology Company Limited

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**PF2408LP(24V8A) Technical Specification (Confidential!)**

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**1 INTRODUCTION**

This document specifies the requirements of Battery charger for **Lead-acid batteries**. The charger shall charge a **Lead-acid batteries with CC/CV/Floating profile**.

The baseline is PowerFirst model PF 2408LP(with PFC)

**Product picture:**

The physical product maybe varies depends on customer's different requirement and product application.



Fan cooling

**2 DOCUMENT HISTORY**

Table2-1DocumentHistory

Version	Date	Change record	Creator
1.0	16 May,15	Initial version	PowerFirst

**3 SPECIFICATION**

Table3-1Specification

No.	Item	Technical specification	Remark
1	Rated input voltage	100 -240VAC +/-10%	Universal
2	AC frequency	50-60Hz	
3	CC Output	8A +/-0.5A	I1 @ Figure5-1
4	Boost charge voltage V	28.2V ~ 28.8V (2.35/cell)	U2 @ Figure5-1
5	Floating charge voltage	27.2V ~ 27.6V (2.3/cell)	U3 @ Figure5-1
6	Cooling	With fan	
7	Efficiency	Efficiency >=85% under 230V input Efficiency approx. 85% under 115V input	



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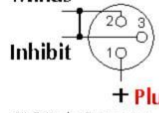
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**4. DC Output Connector definition**

Output	Pin	Connector	Description
Charge+	1	 <p>View is looking into the plug</p>  <p>XL R Male Connector Pin 1 Positive Pin 2 Negative Pin 3 Inhibit (tied to negative)</p>	PIN 1 B+
Charge-	2		PIN 2 B-

Pin 2 bridge to Pin 3 for inhibit (forbidden the vehicle from moving during charging)

**5. Charging Profile**

□ IUUa for Generac GEL and AGM batteries @ Figure5-1

