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Technical Specification for PF2405L (Confidential)

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1 INTRODUCTION

This document specifies the requirements of Battery charger for the **PF2405L with aluminum housing**. The charger is able to charge LEAD ACID AGM &GEL batteries.

■ IUUa for Generac GEL and AGM batteries

Product picture (For reference only per the standard specification sheet, physical product maybe different subject to customer's specific request):



2 DOCUMENT HISTORY

Table 2-1 Document History

Version	Date	Change record	Creator
V.01	08.04.14	1st. version	PowerFirst

3 SPECIFICATION

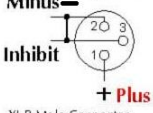
Table 3-1 Specification

No	Item	Technical specification	Remark
1	Rated input voltage	100 -240 VAC +/-10%	Universal wide range
2	AC frequency	50-60Hz	Universal
3	Nominal output voltage	24V	
4	CC	5A+/-0.5A	
5	CV	28.2V~28.8V	
6	Floating charge voltage	27.2V~27.6V	
7	Short circuit protection	Short circuit protection should automatically recover after removing the condition	



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No	Item	Technical specification	Remark
8	Reverse polarity protection	Reverse polarity protection should automatically recover after removing the condition	
9	Additional protection	Sparks protection AC surge protection, Over temperature protection	
10	SAFETY/EMC/ROHS	CE (EU) EN60335-2-29 by SGS <u>EN55014 Class A by SGS</u> ETL (USA & CANADA) ANSI/AAMI ES 60601-1 by ITS <u>CSA-C22.2 NO.60601-1 by ITS</u> RCM (AUSTRALIA) AS/NZS 60335-2-29 by SGS <u>AS/NZS CISPR 14.1:2010 by SGS</u> <u>REACH: (EC) No 1907/2006 by SGS</u> <u>ROHS: Directive 2011/65/EU by SGS</u>	
11	Output connector	 View is looking into the plug  XL R Male Connector Pin 1 Positive Pin 2 Negative Pin 3 Inhibit (tied to negative) Cable: 2*1.0mm² *1.2m Connector: XLR connector	
12	AC input cable/connector	AC socket: IEC C14 3PIN AC powercord: EU plug	Length: 1800mm
13	LED instruction	Red On or Flash = Fault Yellow on = Normal charging Yellow Flash = No battery or incorrect battery connected Green on = Fully charged	
14	Cooling method	with fan	
15	Mechanical fixing	Portable for off-board application	
16	Dimensions	L165 x W95 x H55 mm	
17	Weight	0.86Kg	Maybe some tolerance
18	Color	Black	



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4. CHARGING ALGORITHM

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CC: 5A +/- 0.5A, CV: 28.2V~28.8V, Floating: 27.2-27.6V

