

Product Type Approval Certificate

Full


This certificate is issued to:

Supplier name and address:	Pivot Electronics Unit 17, 3 Apollo St Warriewood NSW 2102
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In respect of:

Manufacturer:	Lester Electrical
Place of manufacture:	U.S.A.
Product description:	Atlas Level Crossing Battery charger using 12v 20A rated Intelligent power modules Part numbers are detailed in Annexure 1 Annexure 2 details approved versions of Software
Use approved for:	Charging of NiCad and Sealed Lead Acid level crossing batteries
Conditions of approval:	Temperature compensation to be used when charging SLA batteries Use of this battery charger requires it to be protected by an appropriately rated surge filter on its input.
Limitations:	Product is not approved for use as a power supply

Evaluating rail transport operator

Name:	Andrew Gardner
Position:	Director Signals & Control Systems, Engineering Asset Management Branch, Transport for NSW
Signature:	
Date:	22/08/2022

Revision 2 of this approval is issued in recognition of an updated parts list as detailed in annexures 1 and 2 below

Product approval pack reference number: fA12766598

Annexure 1 Product Part numbers

Item	Pivot Part Number	Description
ATLAS CHARGER		
1	10165	Battery charger Atlas, Complete, 2-slot chassis, 2 x 12V 480W
2	30109	Intelligent Power Module (iPM) 12V 20A
3	42932S	User Interface Module (UIM), PCB Assembly w/bracket
4	16499S (15A)	Input AC Fuses 15A
5	41253S (60A)	Output DC Fuse 60A
6	31309S	Input Varistor, across input AAR terminals
7	41283S	Output Varistor, across output AAR terminals
BACKPLANE		
8	10182	Backplane Complete, Assembly, pre-wired with meters and connecting terminals
9	30125	Circuit Breaker 1A, On/Off meter. (Eurpoa P/n: EUC1P1C)
10	285-135	Power Terminal 125A, 35mm ² , Grey, "Wago"
11	10176	Meter assembly with bracket, voltmeter, ammeter, shunt, On/Off switch prewired & terminated

Annexure 2 Approved Software

Item	Software item	Version
1	UIM firmware	V3.13
2	Webserver firmware	V3.15