

Certificate of Compliance

Certificate: 1363048

Master Contract: 163736 (LR 109492)

Project: 1397106

Date Issued: January 16, 2003

Issued to: Astec Custom Power (Philippines) Inc
29th Flr, The Orient Square Bldg
1605 Emerald Ave
Ortigas Center, Pasig City
PHILIPPINES
Attention: Mr. Gordhan Hingorani

The products listed below are eligible to bear the CSA Mark shown



Issued by:


Steve Siu

Authorized by: 
Ray Fadavi, P.Eng., MBA
Operations Manager

PRODUCTS

CLASS 5311 06 - POWER SUPPLIES - Component Type (CSA 60950-00)

- PART A** - Component Type Power Supply, Model LPS173-M, input rated 100-250V, 50/60Hz, 4A, or 120-300V dc, 4A; output rated 6-12/5/12V dc, 15/2/1 A max, 180W max with 30CFM forced air cooling, or 6-12/5/12V dc, 9.1/1/0.5 A max, 110W max with convection cooling.
- PART B** - Component Type Power Supply, Model LPS172-M, input rated 100-250V, 50/60Hz, 4A, or 120-300V dc, 4A; output rated 2.5-6/5/12V dc, 35/2/1 A max, 175W max with 30CFM forced air cooling, or 2.5-6/5/12V dc, 22/1/0.5 A max, 110W max with convection cooling.
- PART C** - Component Type Power Supply, Model LPS175-M, input rated 100-250V, 50/60Hz, 4A, or 120-300V dc, 4A; output rated 24-54/5/12V dc, 7.5/2/1 A max, 180W max with or without cover at 30CFM forced air cooling, or 24-54/5/12V dc, 4.125/1/0.5 A max, 110W max with convection cooling.
- PART D** - Component Type Power Supply, Model LPS174-M, input rated 100-250V, 50/60Hz, 4A, or 120-300V dc, 4A; output rated 12-24/5/12V dc, 12/2/1 A max, 180W max with or without cover at 30CFM forced air cooling, or 12-24/5/12V dc, 7.3/1/0.5 A max, 110W max with convection cooling.

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APPLICABLE REQUIREMENTS

- | | | |
|-----------------------------|---|--|
| CAN/CSA-C22.2 No 60950-00 | - | Safety of Information Technology Equipment |
| CAN/CSA-C22.2 No 601.1-M90 | - | Medical Electrical Equipment Part I: General Requirements for Safety |
| CAN/CSA-C22.2 No 601.1S1-94 | - | Supplement No 1-94 to CAN/CSA-C22.2 No 601.1-M90--Medical Electrical Equipment—Part 1: General Requirements for Safety |
| CSA 601.1 Amendment 2:1998 | | |
| TIL No CA-08 | - | Additional Requirements for Component Power Supplies for Use in Other Equipment |

Conditions of Acceptability:

1. All such units are Certified as components of other Certified equipment where the suitability of each combination is to be determined.
2. An appropriate enclosure is to be provided in the end-use application.
3. The equipment has not been investigated for the protection against hazards of explosions in medically used rooms.
4. Primary fusing is to be provided in both sides of the input line per CAN/CSA C22.2 No 601.1-M90 in the end product.
5. Evaluated to CSA 601.1 Amendment 2 excluding requirements for Electromagnetic compatibility (Clause 36), Biocompatibility (Clause 48) and Programmable Electronic Systems (Clause 52.1).
6. The component was submitted and tested for a maximum manufacturer's recommended ambient (Tmra) of 50 deg C. See also Condition No 17.
7. The equipment is for building in, Class I (earthed) intended for use in TN power system.
8. The products were tested on a 15A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
9. All secondary output circuits are SELV (do not exceed 25Vrms or 60Vdc or peak under normal and single fault conditions) and are not hazardous energy levels.
10. The terminals and connectors are suitable for factory wiring only.
11. The power supply shall be properly bonded to the main protective earthing termination in the end product.
12. Bonding terminals provided on this equipment have not been evaluated as protective earthing terminals.
13. Magnetic devices T1, T2, T3, T4 and T5 employ Class F electrical insulation.
14. The maximum working voltage present is 402Vrms; 608Vpk. The electric strength tests in the end product shall be based on this value.
15. The equipment has been evaluated for use in Pollution Degree 2 environment.
16. Operating condition 30CFM forced air-cooling with cover has not been investigated by CSA International and is not part of the Certification.



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17. Models LPS175-M and LPS174-M were also submitted and tested for a maximum manufacturer's recommended ambient (T_{mra}) of 70 deg C when de-rated to 50% full load.



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1397106	January 16, 2003	Add Models LPS175-M and LPS174-M
1363048	November 22, 2002	Original Certification.