UL TEST REPORT AND PROCEDURE

Standard: Certification Type: CCN:	UL 60950-1, 2nd Edition, 2007-03-27 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03 (Information Technology Equipment - Safety - Part 1: General Requirements) Power Supplies for Information Technology Equipment Including Electrical Business Equipment QQGQ2, QQGQ8
Product: Model: Rating:	AC-DC Converter AIQ00ZPFC-01 Input rating: 100-122 Vac, 0.9 A max., 50 - 800 Hz Output rating: 393 Vdc, 75 W max.
Applicant Name and Address:	ASTEC INTERNATIONAL LIMITED - PHILIPPINE BRANCH 3RD AND 4TH FLOOR, TECHNO PLAZA ONE BLDG. #18 ORCHARD ROAD, EASTWOOD CITY CYBERPARK, BAGUMBAYAN QUEZON CITY 1110 PHILIPPINES

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of Underwriters Laboratories Inc. ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

Alex Liu

Prepared by: Underwriters Laboratories Inc.

Brian Wong

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Reviewed by: Underwriters Laboratories Inc.

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
 - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

This equipment is AC-DC Coverter, intended for building in as a component used in information technology equipment. Basic insulation is provided between primary (input and output) circuit and metal baseplate (protective earth). When installing the equipment, all requirements of the mentioned standard must be fulfilled.

Model Differences

N/A

Technical Considerations

- Equipment mobility : for building-in
- Connection to the mains : pluggable A
- Operating condition : continuous
- Over voltage category : OVC II
- Mains supply tolerance (%) : +10%, -10%
- Tested for IT power systems : No
- IT testing, phase-phase voltage (V) : N/A
- Class of equipment : Class I (earthed)
- Mass of equipment (kg) : <1
- Pollution degree : PD 1
- IP protection class : IP X0

- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: Maximum baseplate temperature of 100°C.
- The product is intended for use on the following power systems: TN
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual

Engineering Conditions of Acceptability

For use only in or with complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc. When installed in an end-product, consideration must be given to the following:

- The following Production-Line tests are conducted for this product: Electric Strength,, Earthing Continuity
- The end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary-Earthed Dead Metal: 338 Vrms, 460 Vpk
- The following secondary output circuits are at hazardous energy levels: +393Vdc
- The power supply terminals and/or connectors are: Not investigated for field wiring
- The maximum investigated branch circuit rating is: 20 A
- The investigated Pollution Degree is: 1
- Proper bonding to the end-product main protective earthing termination is: Required
- An investigation of the protective bonding terminals has: Been conducted
- The following end-product enclosures are required: Mechanical,, Fire,, Electrical
- The equipment is suitable for direct connection to: AC mains supply
- No internal fuse is provided in this converter. For safety operation, an external type 2.5A, 250V fast blow fuse must be employed as input line fuse before installation.
- Product was designed to operate at an altitude of 3100m above sea level.
- This power supply maintains basic insulation between primary (input and output) circuit and metal baseplate (protective earth).
- This power supply has been evaluated for use with a maximum baseplate temperature of 100 degree C.
- This power power supply has been evaluated for use in Class 1 equipment as defined in UL 60950-

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1, Second Edition and CAN/CSA C22.2 No. 60950-1-07. An additional evaluation shall be made if the power supply is intended for use in other than Class 1 equipment.

Additional Information				
Amendment 1: addition of alternate potting compound material.				
Markings and instructions				
Clause Title	Marking or Instruction Details			
Power rating - Ratings	Ratings (voltage, frequency/dc, current)			
Power rating - Company identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number			
Power rating - Model	Model Number			
Special Instructions to UL Representative				
N/A				