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REPORT

on

COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT
INCLUDING ELECTRICAL BUSINESS EQUIPMENT

Astec Custom Power (Philippines) Inc.
Metro Manila, Philippines

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DESCRIPTION

PRODUCT COVERED

* Component - Switching Power Supplies, Models LPS352, LPS353, LPS354 and LPS355 for use in Information Technology Equipment, Including Electrical Business Equipment.

ELECTRICAL RATINGS:

Model	Input	Output
* LPS352	AC 100-240 V, 7 A 50/60 Hz DC 120 V minimum - 300 V maximum, 4.5 A	DC + (3-6) V, 70 A
* LPS353	AC 100-240 V, 7 A 50/60 Hz DC 120 V minimum - 300 V maximum, 4.5 A	DC + (6-12) V, 29.2 A
* LPS354	AC 100-240 V, 7 A 50/60 Hz DC 120 V minimum - 300 V maximum, 4.5 A	DC + (12-24) V, 23.4 A
* LPS355	AC 100-240 V, 7 A 50/60 Hz DC 120 V minimum - 300 V maximum, 4.5 A	DC + (24-48) V, 14.6 A

Maximum continuous output power: 350 W with 30 CFM forced air.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

General - These units are for use in products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - When installed in the end-use equipment, the following are the considerations to be made:

1. These components have been judged on the basis of the required creepages and clearances in the Third Edition of the Standard for Safety of Information Technology Equipment Including Electrical Business Equipment, UL 1950, Sub-clause 2.9, which covers the end-use product for which the components were designed.
2. These power supplies have only been evaluated for use in a pollution degree 2 environment.

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3. Considerations shall be given to measuring the temperature on power electronic components, inductors and transformer windings when the power supplies are installed in the end-use equipment. Transformers T1, T2 and T3 employ Class F electrical insulation systems.

4. The input and the secondary output connectors have not been evaluated for field connections.
5. The secondary outputs of these power supplies are unearthed energy hazard SELV.
6. These power supplies have been evaluated for use in Class I equipment as defined in UL 1950 and shall be properly earthed or bonded to earth ground in the end-use. An additional evaluation shall be made if the power supplies are intended for use in other than Class I equipment.
7. These power supplies have been evaluated for use in 25°C and 50°C ambient.
8. These power supplies were evaluated with the assumption that the power source is a TN-S system as defined by UL 1950.
9. A suitable enclosure shall be provided by end system to enclosure the whole unit.
10. These power supplies were evaluated under a force air cooling
* condition when cover fan or end fan is not provided.