

UL TEST REPORT AND PROCEDURE

Standard:	UL 60950-1, 2nd Edition, 2011-12-19 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-07, 2nd Edition, 2011-12 (Information Technology Equipment - Safety - Part 1: General Requirements)
Certification Type:	Listing
CCN:	QQGQ, QQGQ7 (Power Supplies for Information Technology Equipment Including Electrical Business Equipment)
Product:	AC-DC Power Supply
Model:	DPS52-M, DPS53-M
Rating:	Model DPS52-M Input: 100-240Vac, 50/60Hz, 2A The input power must be less than 74W DC output: +5V, 6A, 30W Model DPS53-M Input: 100-240Vac, 50/60Hz, 2A The input power must be less than 74W DC output: +12V, 5A, 60W
Applicant Name and Address:	ASTEC INTERNATIONAL LTD - PHILIPPINE BRANCH 16TH FL LU PLAZA 2 WING YIP ST, KWUN TONG KOWLOON HONG KONG

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 UL LLC ('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.

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

Prepared by: Angela Au

Reviewed by: William R. Carney

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

Models DPS52-M and DPS53-M are switching mode adaptor, Class I equipment, employing employing a thermal plastic enclosure together with an AC inlet.

The maximum operating temperature is 40 °C.

Model Differences

The constructions of both models are identical except for the number of turns of the transformer's secondary winding and the components for output trimming.

They differ on output rating as follows:

DPS52-M

DC Output: 5V, 6A, 30W

DPS53-M

DC Output: 12V, 5A, 60W

Technical Considerations

- Equipment mobility : movable
- Connection to the mains : pluggable A
- Operating condition : continuous
- Access location : operator accessible
- Over voltage category (OVC) : OVC II
- Mains supply tolerance (%) or absolute mains supply values : +10%, -10%
- Tested for IT power systems : No
- IT testing, phase-phase voltage (V) : N/A
- Class of equipment : Class I (earthed)
- Considered current rating of protective device as part of the building installation (A) : 20A
- Pollution degree (PD) : PD 2
- IP protection class : IP20
- Altitude of operation (m) : 4000

- Altitude of test laboratory (m) : less than 2000 meters
- Mass of equipment (kg) : approximately 0.5Kg
- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 40 °C
- The means of connection to the mains supply is: Pluggable A
- The product is intended for use on the following power systems: TT, TN
- The equipment disconnect device is considered to be: Appliance inlet,
- The following accessible locations (with circuit/schematic designation) are within a limited current circuit: Secondary pin of C17
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual
- Clearance distance was evaluated for operating altitude up to 4000m above sea level.