# SPECIFIC TECHNICAL CRITERIA

**UL 60950-1, First Edition**  
Information technology equipment - Safety - Part 1: General Requirements

<table>
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<tr>
<th>Report Reference No</th>
<th>E204980-A14-UL-1</th>
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<tr>
<td>Compiled by</td>
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<td>Date of issue</td>
<td>2006-01-03</td>
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</tbody>
</table>
| Standards           | UL 60950-1:2003, First Edition  
CSA C22.2 No. 60950-1-03 1st Ed. April 1, 2003 |
| Test procedure      | Component Recognition |
| Non-standard test method | N/A |
| Test item description | Power Supply |
| Trademark           | None |
| Model and/or type reference | AWSP100-5, AWSP100-12, AWSP100-24, EIPS100S05, EIPS100S12, EIPS100S24 |
| Rating(s)           | Input: 100-240Vac, 1.8A, 50-60Hz.  
Output:  
AWSP100-5 / EIPS100S05 : 5V / 20A  
AWSP100-12 / EIPS100S12 : 12V / 8.4A  
AWSP100-24 / EIPS100S24 : 24V / 4.2A |

### Particulars: test item vs. test requirements

- **Equipment mobility**: for building-in  
- **Operating condition**: continuous  
- **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)**: 0.63  
- **Protection against ingress of water**: IP X0

### Possible test case verdicts:

- Test case does not apply to the test object: N/A  
- Test object does meet the requirement: Pass  
- Test object does not meet the requirement: Fail (acceptable only if a corresponding, less stringent national requirement is "Pass")

Underwriters Laboratories Inc.
General remarks:
- "(see Enclosure #)" refers to additional information appended to the Test Report
- "(see appended table)" refers to a table appended to the Test Report
- Throughout the Test Report a point is used as the decimal separator
## GENERAL PRODUCT INFORMATION:

### CA1.0  Report Summary
CA1.1  N/A

### CB1.0  Product Description
CB1.1  Electronic Component mounted on the PWB and housed with metal Chassis.

### CC1.0  Model Differences
CC1.1  - Model EIPS100S05 is identical to Model AWSP100-5, except for model designations.
       - Model EIPS100S12 is identical to Model AWSP100-12, except for model designations.
       - Model EIPS100S24 is identical to Model AWSP100-24, except for model designations.
       - Models AWSP100-24 and AWSP100-12 are similar to Model AWSP100-5 except for output rating, Transformer winding and Model designation.

### CD1.0  Additional Information
CD1.1  N/A

### CE1.0  Technical Considerations
CE1.2  The product was submitted and tested for use at the maximum ambient temperature (Tma) permitted by the manufacturer’s specification of: 35 degree C for Model AWSP100-5 and EIPS100S05, 50 degree C for Model AWSP100-12, AWSP100-24, EIPS100S12 and EIPS100S24.
CE1.4  The product is intended for use on the following power systems: TN.
CE1.12 The following were investigated as part of the protective earthing/bonding: the pillar and the metal enclosure for protective bonding.
CE1.14 The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual.

### CF1.0  Engineering Conditions of Acceptability
CF1.1  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:
CF1.3  The end-product Electric Strength Test is to be based upon a maximum working voltage of: Model AWSP100-5: Primary-SELV: 446 Vrms, 840 Vpk, Model AWSP100-12: Primary-SELV: 463 Vrms, 820 Vpk, Model AWSP100-24: Primary-SELV: 461 Vrms, 744 Vpk.
CF1.5  The following secondary output circuits are SELV: All secondary outputs.
CF1.7  The following secondary output circuits are at non-hazardous energy levels: All secondary outputs are not hazardous energy.
CF1.10 The following output terminals were referenced to earth during performance testing: All outputs.
| CF1.11 | The power supply terminals and/or connectors are: Suitable for factory wiring only, Not investigated for field wiring |
| CF1.12 | The maximum investigated branch circuit rating is: 20 A |
| CF1.13 | The investigated Pollution Degree is: 2 |
| CF1.15 | Proper bonding to the end-product main protective earthing termination is: Required |
| CF1.16 | An investigation of the protective bonding terminals has: Been conducted |
| CF1.18 | The following magnetic devices (e.g. transformers or inductor) are provided with an OBJY2 insulation system with the indicated rating greater than Class A (105°C): T1 (Class B) |
| CF1.19 | The following end-product enclosures are required: Electrical, Fire |
| CF1.23 | The equipment is suitable for direct connection to: AC mains supply |
| CF2.0 | Terminal Block is not investigated for permanently connected |
| CF2.1 | Enclosure opening shall be evaluated in End-Product |