CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1015235 (LR 109492C) **Master Contract:** 163736

Project: 1602663 **Date Issued:** 2004/10/08

Issued to: **Astec International Limited -**

Philippine Branch
3rd & 4th Fl Techno Plaza One Bldg
18 Orchard Rd, Eastwood City
Cyberpark, Bagumbayan
Quezon City, 1110
Philippines
Attention: Mr. Bayani Azcarraga

The products listed below are eligible to bear the CSA Mark shown with adjacent indicator 'NRTL/C'

NRTL/C

Issued by: Steve Siu, P.Eng.

Authorized by: C. George Tranquada, C.E.T.,
Manager, Audio/Video Team

C. G. Tranquada

PRODUCTS

CLASS 5311 86 - POWER SUPPLIES-COMPONENT TYPE (UL 60950). - Certified to U.S. Standards

CLASS 5311 06 - POWER SUPPLIES-COMPONENT TYPE - (CSA 60950-00)

Component type power supplies for use in Information Technology and Electrical Business Equipment where the suitability of the combination is to be determined.

The 'NRTL/C' indicator adjacent to the CSA Mark signifies that the product has been evaluated to the applicable ANSI/UL and CSA Standards, for use in the U.S. and Canada. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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Model MP1-XXX-XXX-XXX-XXX-XXX-XXX-XXX-XX, input rated AC 100-240V, 15A, 50/60/400Hz. Refer to Model Configuration in report for rated outputs.

Notes:

1. (a) When Front-End AC to DC Converter, Astec, Model 73-690-0001 is provided with Two Fans, rated 24.1CFM:

Maximum continuous output power is 1000W at 50°C maximum and 500W at 70°C maximum. With rear air exhaust option, maximum continuous output power is 1000W at 40°C.

1. (b) When Front-End AC to DC Converter, Astec, Model 73-690-0001 is provided with Two Fans, rated 24.4CFM minimum:

Maximum continuous output power is 1200W at 50°C maximum and 600W at 70°C maximum. With rear air exhaust option, maximum continuous output power is 1000W at 40°C, and 1200W at 40°C for the input voltage range of 134-240Vac.

Total loading of dual output modules not to exceed 144W and total loading of triple output modules not to exceed 36W.

2. Output classification level may be 1, 3, 5 or 6 depending on model configuration.

3. The MP1 Series power supplies consist of a front end AC/DC converter and chassis (Model 73-690-0001) and DC/DC converter modules which are CSA approved and listed under the CB scheme.

Each MP1 Series model has 7 slots for the DC/DC converter modules (6 slots when optional secondary monitor module is provided). There are single, dual and triple output DC/DC converter modules, some of which occupy more than 1 slot. The MP1 Series may be configured with various combinations of the following modules:

Single output 210 watt module, (width = 1 slot) - 73-551-Series

Single output 360 watt module, (width = 2 slot) - 73-552-Series

Single output 600 watt module, (width = 3 slot) - 73-553-Series

Dual output 144 watt module, (width = 1 slot) - 73-554-Series

Triple output 36 watt module, (width = 1 slot) - 73-550-Series

The "X" 's in the MP1 Series model designation are letters and/or digits representing Module Codes, Output Voltage Codes, Output Parallel Codes and Option Codes. Refer to Model Configuration in report for details.

When the optional secondary monitor module P/N 73-713 is provided, the code "VME" is used in the model designation. It will always be provided in the slot of Module 7 (ie the XXX for slot 7 will be replaced by "VME").

APPLICABLE REQUIREMENTS

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CAN/CSA-C22.2 No. 60950-00 - Safety of Information Technology Equipment

ANSI/UL Std No. 60950 3rd Edition - Safety of Information Technology Equipment