



Certificate of Compliance

Certificate: 70142709

Master Contract: 170351

Project: 70142709

Date Issued: 2017-06-20

Issued to: **Bel Fuse Inc.**
206 Van Vorst St
Jersey City, New Jersey 07302
USA
Attention: Editha S. Vergara

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: *Juan-Carlos Olivera*
Juan-Carlos Olivera, MSc.

PRODUCTS

CLASS – 5311 11 - POWER SUPPLIES - Component Type (CSA 60950-1-07-2nd Ed)

CLASS – 5311 91 - POWER SUPPLIES - Component Type (UL 60950-1-2nd Ed) - Certified to U.S. Stds

Component type power supplies intended for use with Information Technology and Business Equipment, where the suitability of the combination is to be determined by CSA Group.

Power Shelf, Model SPSPPF3-01, maybe followed by alpha numeric characters indicating non-safety critical options.

Electrical Rating:

Input 1 / Input 2: -40 to -72 Vdc, 250 A; Output: V1: 12.5Vdc, 1171A *, V_{SB}: 12.0Vdc, 2A

Total Maximum output power: 14.424 KW, at 45°C ambient

* V1 output is derated to 1054 A at 55°C ambient



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 60950-1-07,
+Am.1:2011 +Am.2:2014
UL 60950-1-2014

- Information Technology Equipment - Safety - Part 1: General Requirements
- Information Technology Equipment - Safety - Part 1: General Requirements

CONDITIONS OF ACCEPTABILITY

- 1) Equipment shall be installed only by trained service personnel, according to manufacturer installation instructions.
- 2) Evaluated for use in a Pollution Degree 2 environment, up to 4000 m altitude, maximum 45°C ambient full load, maximum 55°C with derated V1 output.
- 3) Temperature tests shall be considered for specific installation conditions in the end system.
- 4) Evaluated as Class I (earthed equipment). Reliable earth connection shall be provided in the end use installation.
- 5) A suitable Electrical, Mechanical and Fire Enclosure shall be provided. Power supply front panel meets electrical, mechanical and fire enclosure.
- 6) The output circuits are SELV, output V1 operates at hazardous energy levels (240 VA).
- 7) The equipment was tested on a listed 250 A branch circuit. If use on branch circuit greater than this, additional testing may be necessary.
- 8) The Connector Current Interruption Test was performed on PSU mating connector. Testing for additional cycles shall be determined during the end product evaluation, depending on end product application.
- 9) The USB connectors were not evaluated for Limited Power Source requirement. Additional evaluation may be required in the end system.



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70142709	2017-06-20	Power Shelf, Model SPSPFF3-01. (C/US)