



# Certificate of Compliance

**Certificate:** 70036128 (170351)

**Master Contract:** 170351

**Project:** 70036128

**Date Issued:** 2015-06-25

**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.*



*Juan-Carlos Olivera*  
**Issued by:** *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

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

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 Supply, Model CPD500-4530. Model name may be followed by “C” indicating PCB coating, “A” for faceplate without Power-One logo, “L” for output latch, “G” indicating RoHS version or SXXX or combinations of the different options (where X is alphanumeric character that denotes customer specific changes that do not impact safety requirements).

Model	Input (DC)		Output (DC)		
	(V)	A	V	A	Total Power(W)
CPD500-4530	36-75	17-7.8	5.0	50	500 W with 300 LFM airflow
			3.3	60	
			12.0	12	
			-12.0	4.0	



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### **APPLICABLE REQUIREMENTS**

- |   |  |
|---|--|
| CAN/CSA-C22.2 No 60950-1-07,<br>+Am.1:2011 +Am.2:2014 | – Information Technology Equipment - Safety - Part 1: General Requirements |
| UL 60950-1-2014                                       | – Information Technology Equipment - Safety - Part 1: General Requirements |

### **CONDITIONS OF ACCEPTABILITY**

1. All secondary output circuits are SELV, and are not hazardous energy levels except for the V1 (+5V) output. It was determined that under fault conditions, SELV limits were maintained.
2. The input and output connector is not acceptable for field connection, and is only intended for connection to mating connectors inside the end-use equipment. The acceptability of these and the mating connectors relative to secureness, insulating materials, and temperature shall be considered in the end use.
3. The input and output connector has not been evaluated for interrupting current under load. Suitability shall be investigated in the end use.
4. The equipment has been evaluated for use in a Pollution Degree 2 environment.
5. A suitable electrical, fire and mechanical enclosure shall be provided in the end system.
6. The manufacturer's recommended maximum ambient operating temperature is 50 °C.
7. This unit was investigated as Class I equipment. The power supply shall be properly bonded to the main protective earthing termination in the end product.
8. The protective earthing pin does not make first and break later than the supply pin connections (Sub-clause 2.6.5.4). This must be taken into consideration when this power supply is installed in the end-use product.
9. Component single fault tests were performed with a power source with output rated 0-80 V dc, 125 A. Consideration shall be given to the maximum fault current available in the end use application.
10. Spacings were evaluated for an operating altitude of max 3048 m (1000 ft.) m, based on IEC-60664-1:1992, Table A2 (altitude correction factor of 1.15).
11. Equipment is intended to be supplied from an earthed DC mains source, entirely within a single building; max transient voltage is assumed to be 71 Vpk.; for the purpose of applying minimum insulation requirements only, the input circuits are classified as follows: TNV-2.
12. The input and output are energy hazardous (>240 VA). Accessibility is to be determined in the end system.



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13. The unit was tested per manufacturer's recommended rated input voltage range, with zero tolerance.
14. The unit has not been evaluated for direct connection to DC Mains.
15. The front panel of the unit has not been evaluated as a mechanical enclosure.



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70036128	2015-06-25	Power Supply, Model CPD500-4530. (C/US) (transferred from 173688 - 2333719 and upgraded to include Am2).