



# Certificate of Compliance

**Certificate:** 70036125

**Master Contract:** 170351

**Project:** 70156820

**Date Issued:** 2017-09-21

**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 91 - POWER SUPPLIES - Component Type (UL 60950-1-2nd Ed) - Certified to U.S. Stds  
 CLASS – 5311 11 - POWER SUPPLIES - Component Type (CSA 60950-1-07-2nd Ed)

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.

Switching Power Supply, Models CPA250-4530 and CPA200-4530. 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 Volts			Output (DC)		
	Range	Hz	A	V	A	Total W
CPA250-4530	100-240 V ac	50-60	4	5.0 3.3 12.0 -12.0	40.0 40.0 5.5 2.0	250 W with 400 LFM airflow



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CPA200-4530	100-240 V ac	50-60	4	5.0	40.0	200 W with 400 LFM airflow
				3.3	40.0	
				12.0	5.5	
				-12.0	2.0	
CPA250-4530S383G	100-240 V ac	50-60	4	5.0	20.0	250 W with 400 LFM airflow
				3.3	20.0	
				12.0	5.5	
				-12.0	2.0	

### **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
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### **CONDITIONS OF ACCEPTABILITY**

1. All secondary output circuits are SELV, and are not hazardous energy levels. It was determined that under fault conditions, SELV limits were maintained.
2. The input and output connectors are not acceptable for field connections, and are only intended for connection to mating connectors of internal wiring inside the end-use equipment. The acceptability of these and the mating connectors relative to secureness, insulating materials, and temperature shall be considered.
3. The equipment has been evaluated for use in a Pollution Degree 2 environment.
4. A suitable electrical, fire and mechanical enclosure shall be provided.
5. The manufacturer's recommended maximum operating ambient temperature is 50°C at full load, 70°C at half of the maximum load.
6. The maximum working voltage present, primary circuit to protective earth, is 295 V rms, 392 V pk. The Electric Strength Tests in the end product shall be based on this value.
7. The power supply shall be properly bonded to the main protective earthing termination in the end product.
8. 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.
9. Magnetic devices (e.g. transformers TR10, TR20) employ an electrical insulation system designated Class F.



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10. The protective earthing pin does not make first and break latter 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.



## *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>
70156820	2017-09-21	Update report 70036125 to include alternate capacitor vendors
70073798	2016-04-08	Update report 70036125 to add new model CPA250-4530S383G and 70C ambient operation.
70036125	2015-06-25	Switching Power Supply, Models CPA250-4530 and CPA200-4530. (C/US) (transferred from 173688 - 2237848 and upgraded to include Am2).