



# Certificate of Compliance

**Certificate:** 80121849

**Master Contract:** 170351

**Project:** 80121849

**Date Issued:** 2022-04-13

**Issued To:** Bel Fuse Inc.  
206 Van Vorst St  
Jersey City, New Jersey, 07302  
United States

**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:** Gwangyeol Park  
Gwangyeol Park



## **PRODUCTS**

CLASS - C531167 - POWER SUPPLIES Component Type (CSA 62368-1)

CLASS - C531197 - POWER SUPPLIES - Component Type (UL 62368-1) - Component Type (UL 62368-1)

- Certified to US 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.

AC-DC Switching Power Supply, Model PFC375 Series and PFC500 Series; input rated 100-240 V, 7 A, 50/60 Hz; models may be provided with suffixes D, F, M, G, SXXX or SXXXG (where X is equal to 0 to 9), as follows:

- 1) Suffix "D" denotes unit with Oring diodes on output,
- 2) "F" denotes optional fan



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- 3) “M” denotes metric hardware
- 4) “G” denotes RoHS version unit
- 5) “SXXX”, “SXXXG” denotes non-safety critical options

**Output Rating:**

| Model           | Output #1 |      | Output #2 |    | Output #3 |   | Output #4 |   | Maximum output (W) *) |
|-----------------|-----------|------|-----------|----|-----------|---|-----------|---|-----------------------|
|                 | Vdc       | A    | Vdc       | A  | Vdc       | A | Vdc       | A |                       |
| PFC375-1005     | 5         | 40   | —         | —  | —         | — | —         | — | 200                   |
| PFC375-1012     | 12        | 30   | —         | —  | —         | — | —         | — | 360                   |
| PFC375-1015     | 15        | 25   | —         | —  | —         | — | —         | — | 375                   |
| PFC375-1024     | 24        | 15   | —         | —  | —         | — | —         | — | 360                   |
| PFC375-1028     | 28        | 13.4 | —         | —  | —         | — | —         | — | 375.2                 |
| PFC375-1048     | 48        | 7.8  | —         | —  | —         | — | —         | — | 374.4                 |
| PFC375-3000     | 5         | 40   | 12        | 10 | 12        | 6 | —         | — | 375                   |
| PFC375-3001     | 5         | 40   | 15        | 10 | 15        | 6 | —         | — | 375                   |
| PFC375-3002     | 5         | 40   | 12        | 10 | 5         | 6 | —         | — | 375                   |
| PFC375-3004     | 5         | 40   | 12        | 10 | 24        | 6 | —         | — | 375                   |
| PFC375-4000     | 5         | 40   | 12        | 10 | 12        | 6 | 5         | 3 | 375                   |
| PFC375-4001     | 5         | 40   | 12        | 10 | 12        | 6 | 12        | 3 | 375                   |
| PFC375-4002     | 5         | 40   | 12        | 10 | 12        | 6 | 24        | 3 | 375                   |
| PFC375-4004     | 5         | 40   | 12        | 10 | 15        | 4 | 15        | 4 | 375                   |
| PFC375-4005     | 5         | 40   | 12        | 10 | 24        | 4 | 24        | 3 | 375                   |
| PFC375-4200     | 5         | 10   | 24        | 10 | 12        | 4 | 12        | 4 | 375                   |
| PFC375-4201     | 5         | 10   | 24        | 10 | 15        | 4 | 15        | 4 | 375                   |
| PFC375-4500     | 5         | 50   | 12        | 10 | 12        | 6 | 5         | 3 | 375                   |
| PFC375-3004S111 | 5         | 30   | 12        | 1  | 24        | 1 | —         | — | 186                   |
| PFC375-S165     | 5         | 50   | 12        | 10 | 12        | 6 | 5.2       | 3 | 375                   |
| PFC375-S132     | 5         | 20   | 24        | 5  | 15        | 6 | 15        | 4 | 375                   |
| PFC500-1024     | 24        | 21   | —         | —  | —         | — | —         | — | 500                   |
| PFC500-1028     | 28        | 17.9 | —         | —  | —         | — | —         | — | 500                   |
| PFC500-S205     | —         | —    | —         | —  | —         | — | —         | — | —                     |
| PFC500-1048     | 48        | 10.4 | —         | —  | —         | — | —         | — | 500                   |

\*) External 300 LFM air cooling (minimum) – unless option F selected.

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### **CONDITIONS OF ACCEPTABILITY**

- 1) The power supply is to be installed in the end product where the suitability of installation is to be evaluated in the end product.
- 2) Evaluated as Class I (earthed equipment). Reliable earth connection shall be provided in the end use installation.
- 3) The product was evaluated at maximum operating temperatures, T<sub>ma</sub> of 50°C with full output power. Accessibility to high component temperature must be considered on end system equipment.
- 4) Temperature tests shall be considered for specific installation conditions in the end system.
- 5) Suitability of enclosure provided with the equipment as a FIRE, MECHANICAL and ELECTRICAL enclosure is to be determined in the end system.
- 6) The secondary outputs are ES1 at PS2/PS3. Accessibility is to be determined in the end system.
- 7) The input and output connectors are approved for use as field wiring.
  
- 8) The unit was tested on a listed 30A branch circuit. Additional evaluation may be needed if used on higher current branch circuit.
- 9) The ground path from the input connector to the PSU case meets protective bonding and has been evaluated at 60A.
- 10) Safety isolating transformer T1 employ an insulation system designated Class F.

### **APPLICABLE REQUIREMENTS**

- CAN/CSA C22.2 No. 62368-1:19 - Audio/video, information and communication technology equipment  
- Part 1: Safety requirements
- UL 62368-1 3<sup>rd</sup> Ed. - Audio/video, information and communication technology equipment  
- Part 1: Safety requirements

### **Notes:**

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Products certified under Class C531167 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *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>   |
|----------------|-------------|--|
| 80121849       | 2022-04-13  | AC-DC Switching Power Supply, Model PFC375 Series and PFC500 Series (upgrade CSA Report 70047258 to 62368-1) (CSA c/us)<br>- based on acceptance of data under the CPC program |