



# Certificate of Compliance

**Certificate:** 80004187

**Master Contract:** 170351

**Project:** 80040269

**Date Issued:** 2020-04-27

**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:** Tracy Zhang  
Tracy Zhang



## **PRODUCTS**

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

CLASS - C531197 - POWER SUPPLIES - 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-DC Power Supply, Model LR and LRP series, see below for details.



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Electrical Rating:

Model	Input			Output (DC)		
	V	A	Hz	V		A
LR2320 Series	100-240 Vac	3	50/60	V1	12	10
	125 – 300 Vdc		-	V2	12	10
LRP2320 Series	100-240 Vac	4	50/60	V1	12	12.5
	125 – 300 Vdc		-	V2	12	12.5
LR2540 Series	100-240 Vac	3	50/60	V1	15	8
	125 – 300 Vdc		-	V2	15	8
LRP2540 Series	100-240 Vac	4	50/60	V1	15	10
	125 – 300 Vdc		-	V2	15	10

Model Name Nomenclature:

Typical Model Designation: LR 2 3 20 -9 B  
I II III IV V VI

I – Model Series: LR / LRP

II – Number of outputs 2

III – Nominal Voltage of main DC output V1:  
3 - 12 V  
5 - 15 V  
1- 9 - Other Voltages<sup>1</sup>

IV – Nominal Voltage of tracking DC output V2<sup>2</sup>:  
20 - 12 V  
40 - 15 V  
11- 99 - Other Voltages<sup>1</sup>

V – Operational temperature T<sub>A</sub>:  
9 - T<sub>A</sub> = - 40 to 71°C, T<sub>c</sub> ≤ 95 °C  
0, 5, 6 - Other<sup>1</sup>



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VI – Auxiliary functions and options (optional):

- B – Aluminum case with large cooling plate; 168 by 140 by 32 mm (L×W×H)
- B1 - Aluminum case with small cooling plate; 168 by 111 by 32 mm
- B2 - Aluminum case with elongated cooling plate; 220 by 111 by 32 mm

Notes:

Any model name can be formulated based on output voltage and different options. Model name may be followed by alpha-numeric characters indicating non-safety critical options.

<sup>1</sup> Customer- specific models, no safety relevant changes

<sup>2</sup> The nominal voltages of both outputs are always equal

**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



## *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>
80040269	2020-04-27	Update CSA 80004187 to include DC rating and upgrade to 62368-1 3rd Ed. C/US.
80004187	2019-05-24	AC-DC converter, Models LR_P2320, LR_2540 Series (CSA c/us)