



Certificate of Compliance

Certificate: 80042827

Master Contract: 170351

Project: 80042827

Date Issued: 2020-05-21

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) - 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.

DC/DC Switching Power Supply, Model HP Series, rated 15.8 to 137.5Vdc, 15 A. See below Model Name Nomenclature:



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Model Name Nomenclature

Typical Model Designation: $\frac{H}{I} \frac{P}{II} \frac{4}{III} \frac{6}{IV} \frac{60}{V} - \frac{9}{VI} \frac{R}{VII} \frac{B1}{VIII} \frac{G}{IX}$

I – Input Voltage, Vdc: H -- 15.8 to 137.5 Vdc (Input voltage range is adjustable)

II – Model Series: P

III – No. of Outputs: 1 – Single Output (160 mm case), 6 - Single Output (220 mm case)
2 – Double Output (160 mm case), 7 - Double Output (220 mm case)
3 – Triple Output (160 mm case), 8 - Triple Output (220 mm case)
4 – Quadruple Output (160 mm case), 9 – Quadruple Output (220 mm case)

IV – Nominal Voltage [Output1/Output4, dc] 0 - 5.1 V
3 - 12 V
5 - 15 V
6 - 24 V
7, 8 - other voltages ¹⁾
01...99 - Other specifications and additional features¹⁾

V – Nominal Voltage [Output2/Output3, dc] 01 - 5.1 V
20 - 12 V
40 - 15 V
60 - 24 V
02...99 - other voltages and futures¹⁾

VI – Operational ambient temperature range Ta: 9 = - 40°C to 71°C
0 = other¹⁾

VII – Output voltage adjust (auxiliary function) – Optional: R

VIII – Options: T – Current sharing
B0 – Heatsink 10 mm thick
B1 – Heatsink 20 mm thick
B3 – Heatsink 30 mm thick
Uxx – UVL (preadjusted Vi min) ²⁾
V – (rotary switch to adjust Vi min)

IX – Options Suffix Any alpha-numeric character indicating non-safety critical options

Notes:

¹⁾ Customer specific models not exceeding 24V

²⁾ Input voltage can be preadjusted as below:

U14 = 16.8 – 137.5V (for 24V batteries)



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U21 = 25.2 – 137.5V (for 36V batteries)
 U42 = 50.4 – 137.5V (for 72V batteries)
 U70 = 77 – 137.5V (for 110V batteries)

Note: Any model name can be formulated based on different output combinations as long as input current will not exceed 15 A.

Electrical Rating:

Model	Input, DC		Output 1 and 4, DC			Output 2 and 3, DC			No. of Outputs
	V	A	V	A, 50°C	A, 71°C	V	A, 50°C	A, 71°C	
HP1001	16.8 to 137.5	15	5.1	36	24	—	—	—	1
HP1301			12	16	10.2	—	—	—	1
HP1501			15	12.8	8	—	—	—	1
HP1601			24	8	5.1	—	—	—	1
HP2001			5.1	18	12	5.1	18	12	1,2
HP2020			5.1	18	12	12	8	5.1	1,2
HP2040			5.1	18	12	15	6.4	4	1,2
HP2320			12	8	5.1	12	8	5.1	1,2
HP2540			15	6.4	4	15	6.4	4	1,2
HP2660			24	4	2.55	24	4	2.55	1,2
HP3020			5.1	18	12	12	4	2.5	1,2,3
HP3040			5.1	18	12	15	3.2	2	1,2,3
HP3060			5.1	18	12	24	2	1.25	1,2,3
HP4320			12	4	2.5	12	4	2.5	1,2,3,4
HP4540			15	3.2	2	15	3.2	2	1,2,3,4
HP4560			24	3.2	2	24	2	1.25	1,2,3,4
HP4660	24	2	1.25	24	2	1.25	1,2,3,4		
HP8029	15.8 to 45	15	5.1	18	12	12	4	2.5	1,2,3

APPLICABLE REQUIREMENTS

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

Project	Date	Description
80042827	2020-05-21	DC/DC Switching Power Supply, Model HP Series, C/US.