Certificate of Compliance

Certificate: 70087819 **Master Contract:** 219759

Project: 70087819 **Date Issued:** 2017-01-18

Issued to: **Traco Power Solutions Ltd**
Whitemill Industrial Estate
Wexford, Wexford
IRELAND
Attention: Ms. Melita Štebih

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: *Wei Sheng Wu*
Wei Sheng Wu

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

DIN Rail Switch Mode Power Supply for building-in*, models TSPC 050-112 (P/N: 050POP182), TSPC 050-124 (P/N: 050POP184), TSPC 080-112 (P/N: 080POP182), TSPC 080-124 (P/N: 080POP184), TSPC 120-124 (P/N: 120POP184), TSPC 120-148 (P/N: 120POP185), TSPC 240-124 (P/N: 240POP184), TSPC 240-148 (P/N: 240POP185), TSPC 240-124UPS (P/N: 240POP148USV), TSPC 480-124 (P/N: 480POP184) and TSPC 480-148 (P/N: 480POP185), class I.

Input rating:
TSPC 050-112: 100 - 240 Vac; 1.1 - 0.7 A; 50/60 Hz
TSPC 050-124: 100 - 240 Vac; 1.1 - 0.7 A; 50/60 Hz
TSPC 080-112: 100 - 120/220 - 240 Vac; 1.9/1.1 A; 50/60 Hz
TSPC 080-124: 100 - 120/220 - 240 Vac; 1.7/1.0 A; 50/60 Hz
TSPC 120-124: 100 - 120/220 - 240 Vac; 2.5/1.4 A; 50/60 Hz
TSPC 120-148: 100 - 120/220 - 240 Vac; 2.8/1.5 A; 50/60 Hz
TSPC 240-124: 100 - 120/220 - 240 Vac; 5.1/2.2 A; 50/60 Hz
TSPC 240-148: 100 - 120/220 - 240 Vac; 5.4/2.4 A; 50/60 Hz
TSPC 240-124UPS: 100 - 120/220 - 240 Vac; 5.1/2.5 A; 50/60 Hz (Battery input: 13.6 Vdc/30 A)
TSPC 480-124: 100 - 120/220 - 240 Vac; 9.1/3.6 A; 50/60 Hz
TSPC 480-148: 100 - 120/220 - 240 Vac; 9.1/4.1 A; 50/60 Hz

Output rating:

Model	60°C	70°C	50°C (input voltage > 115 Vac)	60°C	70°C	50°C (input voltage > 115 Vac)
TSPC 050-112	12Vdc, 4.0A	12Vdc, 3.0A	12Vdc, 4.8A	14Vdc, 2.74A	14Vdc, 2.06 A	14Vdc, 3.29A
TSPC 080-112	12Vdc, 6.6A	12Vdc, 4.95A	12Vdc, 7.92A	14Vdc, 4.52A	14Vdc, 3.39 A	14Vdc, 5.43A
TSPC 050-124	24Vdc; 2.1A	24Vdc; 1.58A	24Vdc; 2.52A	28Vdc; 1.44A	28Vdc; 1.08A	28Vdc; 1.73A
TSPC 080-124	24Vdc; 3.33A	24Vdc; 2.5A	24Vdc; 4.0A	28Vdc; 2.28A	28Vdc; 1.71A	28Vdc; 2.74A
TSPC 120-124	24Vdc; 5.0A	24Vdc; 3.75A	24Vdc; 6.0A	28Vdc; 3.43A	28Vdc; 2.57A	28Vdc; 4.11A
TSPC 240-124	24Vdc; 10.0A	24Vdc; 7.5A	24Vdc; 12.0A	28Vdc; 6.86A	28Vdc; 5.15A	28Vdc; 8.22A
TSPC 480-124	24Vdc; 20.0A	24Vdc; 15.0A	24Vdc; 24.0A	28Vdc; 13.72A	28Vdc; 10.29A	28Vdc; 16.44A
TSPC 120-148	48Vdc; 2.5A	48Vdc; 1.88A	48Vdc; 3.0A	56Vdc; 1.71A	56Vdc; 1.28A	56Vdc; 2.06A
TSPC 240-148	48Vdc; 5.0A	48Vdc; 3.75A	48Vdc; 6.0A	56Vdc; 3.43A	56Vdc; 2.57A	56Vdc; 4.12A
TSPC 480-148	48Vdc; 10.0A	48Vdc; 7.5A	48Vdc; 12.0A	56Vdc; 6.85A	56Vdc; 5.14A	56Vdc; 8.23A
Model	**60°C**	**40°C**		**60°C**	**40°C**	
TSPC 240-124UPS	24Vdc; 10.0A	24Vdc; 12.0A		28Vdc; 6.86A	28Vdc; 8.22A	

- 12V Output is adjustable from 12 – 14Vdc. The output power shall not exceed the power at 12V when output voltage > 12V.
- 24V Output is adjustable from 24 – 28Vdc. The output power shall not exceed the power at 24V when output voltage > 24V.
- 48V Output is adjustable from 48 – 56Vdc. The output power shall not exceed the power at 48V when output voltage > 48V.

*Notes:

1. The unit has been evaluated as components where the suitability of the combination with the end product shall be evaluated by CSA Group.
2. The units were evaluated as service accessible only. Therefore, the power supplies shall be installed in a Restricted Access Location.
3. The unit is provided with terminals for permanent connection to the power source.
4. The unit has been evaluated for use in a Pollution Degree 2, Overvoltage Category II environment and at a maximum altitude of 2000m above sea level (ordinary dry locations).
5. The Power supply & battery (cells and/or pack) combination has not been investigated by CSA, this evaluation shall be end product (system) consideration.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 60950-1-07, Amendment 1:2011, Amendment 2:2014 (MOD) - Information Technology Equipment – Safety – Part 1: General Requirements
ANSI/UL 60950-1-2014 - Information Technology Equipment – Safety – Part 1: General 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
70087819	2017-01-18	c/CSA/us certification project for a series of DIN rail switching mode power supply according to CSA 60950-1-07 + A1 + A2 / UL 60950-1, 2nd ed. + A1 + A2.