

CE Declaration of Conformity

Ref No: PSBG-117-202503004-CE

Manufacturer name: Delta Electronics, Inc.

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Is herewith confirmed the following equipment

Product: SWITCHING POWER SUPPLY

Brand name: DELTA

- 1). MEP-500A12J BX1X2, MEP-500Y12JA X1X2X3;
- 2). MEP-500A18J BX1X2, MEP-500Y18JA X1X2X3;
- 3). MEP-500A24J BX1X2, MEP-500Y24JA X1X2X3;
- 4). MEP-500A48J BX1X2, MEP-500Y48JA X1X2X3.
- 5). MEP-500A12J CX1X2, MEP-500Y12JD X1X2X3;
- 6). MEP-500A18J CX1X2, MEP-500Y18JD X1X2X3;
- 7). MEP-500A24J CX1X2, MEP-500Y24JD X1X2X3;
- 8). MEP-500A48J CX1X2, MEP-500Y48JD X1X2X3.
- 9). MEP-500A12J DX1X2, MEP-500Y12JF X1X2X3;
- 10). MEP-500A18J DX1X2, MEP-500Y18JF X1X2X3;
- 11). MEP-500A24J DX1X2, MEP-500Y24JF X1X2X3;
- 12). MEP-500A48J DX1X2, MEP-500Y48JF X1X2X3.

(Where X1, X2, X3 can be any alphanumeric character or blank)

Input rating (for above 1).~12). conditions):

Input:100-240Vac; 6.5A; 50-60Hz

Output rating (see product drawing for details):

1).

12.0 Vdc, 41.7 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 50 °C)

12.0 Vdc, 29.75 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

12.0 Vdc, 12.0Vfan and 5.0Vsb total power 500.4 W Max. (With 16 CFM Forced Air, Tma (ta) @ 50 °C)

12.0 Vdc, 12.0Vfan and 5.0Vsb total power 357 W Max. (With 16 CFM Forced Air, Tma (ta) @ 70 °C)

12.0 Vdc, 20.58 A (Convection, Tma (ta) @ 50 °C)

12.0 Vdc, 11.667 A (Convection, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

12.0 Vdc and 5.0Vsb total power 247 W Max. (Convection, Tma (ta) @ 50 °C)

12.0 Vdc and 5.0Vsb total power 140 W Max. (Convection, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

2).

18.0 Vdc, 27.8 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 50 °C)

18.0 Vdc, 19.833 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

18.0 Vdc, 12.0Vfan and 5.0Vsb total power 500.4 W Max. (With 16 CFM Forced Air, Tma (ta) @ 50 °C)

18.0 Vdc, 12.0Vfan and 5.0Vsb total power 357 W Max. (With 16 CFM Forced Air, Tma (ta) @ 70 °C)

18.0 Vdc, 13.73 A (Convection, Tma (ta) @ 50 °C)

18.0 Vdc, 7.778 A (Convection, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

18.0 Vdc and 5.0Vsb total power 247 W Max. (Convection, Tma (ta) @ 50 °C)

18.0 Vdc and 5.0Vsb total power 140 W Max. (Convection, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

3).

24.0 Vdc, 20.9 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 50 °C)

24.0 Vdc, 14.917 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

24.0 Vdc, 12.0Vfan and 5.0Vsb total power 501.6 W Max. (With 16 CFM Forced Air, Tma (ta) @ 50 °C)

24.0 Vdc, 12.0Vfan and 5.0Vsb total power 358 W Max. (With 16 CFM Forced Air, Tma (ta) @ 70 °C)

24.0 Vdc, 12.5 A (Convection, Tma (ta) @ 50 °C)

24.0 Vdc, 6.792 A (Convection, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

24.0 Vdc and 5.0Vsb total power 300 W Max. (Convection, Tma (ta) @ 50 °C)

24.0 Vdc and 5.0Vsb total power 163 W Max. (Convection, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

4).

48.0 Vdc, 10.5 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 50 °C)

48.0 Vdc, 7.5 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

48.0 Vdc, 12.0Vfan and 5.0Vsb total power 504 W Max. (With 16 CFM Forced Air, Tma (ta) @ 50 °C)

48.0 Vdc, 12.0Vfan and 5.0Vsb total power 360 W Max. (With 16 CFM Forced Air, Tma (ta) @ 70 °C)

48.0 Vdc, 6.25 A (Convection, Tma (ta) @ 50 °C)

48.0 Vdc, 3.396 A (Convection, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

48.0 Vdc and 5.0Vsb total power 300 W Max. (Convection, Tma (ta) @ 50 °C)

48.0 Vdc and 5.0Vsb total power 163 W Max. (Convection, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

5).

12.0 Vdc, 41.7 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 50 °C)

12.0 Vdc, 29.75 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

12.0 Vdc, 12.0Vfan and 5.0Vsb total power 500.4 W Max. (With 16 CFM Forced Air, Tma (ta) @ 50 °C)

12.0 Vdc, 12.0Vfan and 5.0Vsb total power 357 W Max. (With 16 CFM Forced Air, Tma (ta) @ 70 °C)

12.0 Vdc, 16.42 A (Convection, Tma (ta) @ 50 °C)

12.0 Vdc, 9.5 A (Convection, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

12.0 Vdc and 5.0Vsb total power 197 W Max. (Convection, Tma (ta) @ 50 °C)

12.0 Vdc and 5.0Vsb total power 114 W Max. (Convection, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

6).

18.0 Vdc, 27.8 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 50 °C)

18.0 Vdc, 19.833 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

18.0 Vdc, 12.0Vfan and 5.0Vsb total power 500.4 W Max. (With 16 CFM Forced Air, Tma (ta) @ 50 °C)

18.0 Vdc, 12.0Vfan and 5.0Vsb total power 357 W Max. (With 16 CFM Forced Air, Tma (ta) @ 70 °C)

18.0 Vdc, 10.667 A (Convection, Tma (ta) @ 50 °C)

18.0 Vdc, 6.333 A (Convection, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

18.0 Vdc and 5.0Vsb total power 197 W Max. (Convection, Tma (ta) @ 50 °C)

18.0 Vdc and 5.0Vsb total power 114 W Max. (Convection, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

7).

24.0 Vdc, 20.9 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 50 °C)

24.0 Vdc, 14.917 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

24.0 Vdc, 12.0Vfan and 5.0Vsb total power 501.6 W Max. (With 16 CFM Forced Air, Tma (ta) @ 50 °C)

24.0 Vdc, 12.0Vfan and 5.0Vsb total power 358 W Max. (With 16 CFM Forced Air, Tma (ta) @ 70 °C)

24.0 Vdc, 10 A (Convection, Tma (ta) @ 50 °C)

24.0 Vdc, 5.375 A (Convection, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

24.0 Vdc and 5.0Vsb total power 240 W Max. (Convection, Tma (ta) @ 50 °C)

24.0 Vdc and 5.0Vsb total power 129 W Max. (Convection, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

8).

48.0 Vdc, 10.5 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 50 °C)

48.0 Vdc, 7.5 A, 12.0Vfan, 0.6 A (With Forced Air, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

48.0 Vdc, 12.0Vfan and 5.0Vsb total power 504 W Max. (With 16 CFM Forced Air, Tma (ta) @ 50 °C)

48.0 Vdc, 12.0Vfan and 5.0Vsb total power 360 W Max. (With 16 CFM Forced Air, Tma (ta) @ 70 °C)

48.0 Vdc, 5.0 A (Convection, Tma (ta) @ 50 °C)

48.0 Vdc, 2.688 A (Convection, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

48.0 Vdc and 5.0Vsb total power 240 W Max. (Convection, Tma (ta) @ 50 °C)

48.0 Vdc and 5.0Vsb total power 129 W Max. (Convection, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

9).

12.0 Vdc, 41.7 A, 12.0Vfan, 0.6 A (With built-in fan installed, Tma (ta) @ 50 °C)

12.0 Vdc, 29.75 A, 12.0Vfan, 0.6 A (With built-in fan installed, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

12.0 Vdc, 12.0Vfan and 5.0Vsb total power 500.4 W Max. (With Forced Air, Tma (ta) @ 50 °C)

12.0 Vdc, 12.0Vfan and 5.0Vsb total power 357 W Max. (With Forced Air, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

10).

18.0 Vdc, 27.8 A, 12.0Vfan, 0.6 A ((With built-in fan installed, Tma (ta) @ 50 °C)

18.0 Vdc, 19.833 A, 12.0Vfan, 0.6 A ((With built-in fan installed, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

18.0 Vdc, 12.0Vfan and 5.0Vsb total power 500.4 W Max. (With Forced Air, Tma (ta) @ 50 °C)

18.0 Vdc, 12.0Vfan and 5.0Vsb total power 357 W Max. (With Forced Air, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

11).

24.0 Vdc, 20.9 A, 12.0Vfan, 0.6 A (With built-in fan installed, Tma (ta) @ 50 °C)

24.0 Vdc, 14.917 A, 12.0Vfan, 0.6 A ((With built-in fan installed, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

24.0 Vdc, 12.0Vfan and 5.0Vsb total power 501.6 W Max. (With Forced Air, Tma (ta) @ 50 °C)

24.0 Vdc, 12.0Vfan and 5.0Vsb total power 358 W Max. (With Forced Air, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

12).

48.0 Vdc, 10.5 A, 12.0Vfan, 0.6 A (With built-in fan installed, Tma (ta) @ 50 °C)

48.0 Vdc, 7.5 A, 12.0Vfan, 0.6 A (With built-in fan installed, Tma (ta) @ 70 °C)

5.0Vsb, 2.0 A (Tma (ta) @ 50 °C) or 0.92 A (Tma (ta) @ 70 °C)

48.0 Vdc, 12.0Vfan and 5.0Vsb total power 504 W Max. (With Forced Air, Tma (ta) @ 50 °C)

48.0 Vdc, 12.0Vfan and 5.0Vsb total power 360 W Max. (With Forced Air, Tma (ta) @ 70 °C)

Note: below 115Vac to 100Vac derating the output load from 100% to 90%. See Input Voltage Derating Curve for details.

Comply with the following directives and requirements set out in the Council Directive on the Approximation for the Laws of the Member States

- Low Voltage Directive 2014/35/EU
 - EN 62368-1:2014+A11:2017
 - EN IEC 62368-1:2020+A11:2020
 - EN 61558-2-16: 2009+A1:2013 used in conjunction with EN 61558-1: 2005+A1: 2019
 - EN IEC 61558-1: 2019
 - EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 + A14:2019 + A2:2019 + A15:2021 + A16:2023, EN 62233:2008 + AC:2008

Comply with the following standard of MDR Regulation 2017/745. Complete MDR should only be verified when it is used together with particular medical device(s):

- EN 60601-1: 2006/A1: 2013/A12: 2014/A2: 2021/A13: 2024
- EN 60601-1-2: 2015
- EN 60601-1-2: 2015+A1: 2021
- EN 55011: 2016+A1: 2017+A11: 2020+A2: 2021 / CISPR 11: 2015+AMD1: 2016+AMD2: 2019 ED. 6.0 / CISPR 11: 2009 ED. 6.2 (Group I, Class B) (for Class I)
- EN 55011: 2016+A1: 2017+A11: 2020+A2: 2021 / CISPR 11: 2015+AMD1: 2016+AMD2: 2019 ED. 6.0 / CISPR 11: 2009 ED. 6.2 (Group I, Class A) (for Class II)
- EN 61000-3-2: 2014, Class D
- EN IEC 61000-3-2: 2019+A1: 2021+A2 : 2024, Class D
- EN 61000-3-3: 2013
- EN IEC 61000-3-3: 2013+A1: 2019+A2: 2021+AC: 2022

- EMC Directive 2014/30/EU
 - EN 55032 : 2015+A11 :2020 Class B (for Class I)
 - EN 55032 : 2015+A11 :2020 Class A (for Class II)
 - EN 55035 : 2017+A11 :2020
 - EN 55014-1 : 2017+A11 :2020
 - EN IEC 55014-1 : 2021
 - EN 55014-2 : 2015 Category II
 - EN IEC 55014-2 : 2021 Category II
 - EN 61000-3-2 : 2014, Class D
 - EN IEC 61000-3-2 : 2019+A1:2021+A2:2024, Class D
 - EN 61000-3-3 : 2013
 - EN 61000-3-3 : 2013+A1:2019+A2:2021+AC:2022
 - IEC 61000-4-2 : 2008: Edition 2.0
 - IEC 61000-4-3 : 2020: Edition 4.0
 - IEC 61000-4-4 : 2012: Edition 3.0
 - IEC 61000-4-5 : 2017: Edition 3.1
 - IEC 61000-4-6 : 2023: Edition 5.0
 - IEC 61000-4-8 : 2009: Edition 2.0
 - IEC 61000-4-11 : 2020: Edition 3.0
 - IEC 61000-4-39 : 2017: Edition 1.0

- RoHS Directive 2011/65/EU+ (EU) 2017/2102+ (EU) 2015/863+ (EU) 2020/659
 - EN IEC 63000:2018

This declaration of conformity is issued under the sole responsibility of the manufacturer.



Delta Electronics, Inc

Person responsible for making this declaration

Name, Surname: Delon Lo

Title: Safety Engineer

Place: Taiwan

Date: 2025-07-24

Signature: *Delon Lo*