

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME

CB TEST CERTIFICATE

Product

SWITCHING POWER SUPPLY

Name and address of the applicant

Delta Electronics, Inc.
3 Tungyuan Road, Chungli Industrial Zone, Taoyuan County
32063, Taiwan

Name and address of the manufacturer

Delta Electronics, Inc.
3 Tungyuan Road, Chungli Industrial Zone, Taoyuan County
32063, Taiwan

Name and address of the factory

Note: When more than one factory, please report on page 2

Delta Electronics (Thailand) Public Co., Ltd.
909 Soi 9 Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1
Rd., Tambol Phraksa, Amphur Muang, Samutprakarn 10280,
Thailand Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark (if any)

DELTA ELECTRONICS, INC.

Type of Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

MDS-200ADB12 XX, MDS-200ADB24 XX, MDS-200APB12 XX,
MDS-200APB24 XX, MDS-200APB26 XX, MDS-200APB36 XX,
See Page 2Additional information (if necessary may also be
reported on page 2)

Technical Modification

 Additional Information on page 2A sample of the product was tested and found
to be in conformity withIEC 60950-1:2005/AMD1:2009, IEC 60950-1:2005/AMD2:2013,
IEC 60950-1:2005As shown in the Test Report Ref. No. which forms part
of this CertificateE131881-4788064716.1(BA6)-1 Amendment 3 issued on
2018-12-12

This CB Test Certificate is issued by the National Certification Body



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2018-12-12

Original Issue Date: 2017-08-18

Signature:

Jan-Erik Storgaard

Model Details:

- (1) MDS-200APB24 XX, MDS-200APD24 XX, MDS-200ADB24 XX (X=0-9, A-Z or blank);
- (2) MDS-200APB12 XX, MDS-200ADB12 XX (X=0-9, A-Z or blank);
- (3) MDS-200APB26 XX (X=0-9, A-Z or blank);
- (4) MDS-200APB36 XX (X=0-9, A-Z or blank)

Factories:

Delta Electronics Power (Dongguan) Co., Ltd.
Delta Industrial Estate, Shijie Town, Dongguan City, Guangdong Province 523308
China

Delta Electronics (Jiangsu) Ltd.
No 1688, Jiangxing East Road, Wujiang Economic Development Zone, Wujiang City, Jiangsu Province, 215200,
China

Ratings:

- (1) Input: 100-240V~, 2.5A, 50-60Hz;
Output: 24Vdc, 8.33A Max, 200W Max
- (2) Input: 100-240V~, 2.5A, 50-60Hz;
Output: 12Vdc, 16.67A Max, 200W Max
- (3) Input: 100-240V~, 2.5A, 50-60Hz;
Output: 26Vdc, 7.69A Max, 200W Max
- (4) Input: 100-240V~, 2.5A, 50-60Hz;
Output: 36Vdc, 5.55A Max, 200W Max

Additional Information:

Additionally evaluated to EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/ A2:2013.

National Difference specified in the CB Test Report

The original report was modified to include the following changes/additions:

- 1. Add a test condition T (30% load: 100W): 36Vdc/1.67A Natural convection in ambient 70 degree C for model MDS-200APB36 XX. (change R636 from 42.2 kohm to 44.2 kohm)
- 2. Remove an alternative source (Walsin, type AH) of Y-Capacitors (CY1, CY2, CY7).

Additional information (if necessary)

UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/nbnames

Date: 2018-12-12

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Signature:

Jan-Erik Storgaard

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEME

CB TEST CERTIFICATE

Product

Switching power supply

Name and address of the applicant

DELTA ELECTRONICS INC
3 TUNGYUAN RD CHUNGLI INDUSTRIAL ZONE TAOYUAN
COUNTY, 32063 TAIWAN

Name and address of the manufacturer

DELTA ELECTRONICS INC
3 TUNGYUAN RD CHUNGLI INDUSTRIAL ZONE TAOYUAN
COUNTY, 32063 TAIWAN

Name and address of the factory

Note: When more than one factory, please report on page 2

DELTA ELECTRONICS (JIANGSU) LTD.
NO. 1688, JIANGXING EAST ROAD, WUJIANG ECONOMIC
AND TECHNOLOGICAL DEVELOPMENT ZONE, SUZHOU
CITY, JIANGSU PROVINCE, 215200
CHINA

Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark (if any)



Type of Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

MDS-200APB12 XX, MDS-200ADB12 XX, MDS-200APB24 XX,
MDS-200ADB24 XX, MDS-200APD24 XX, MDS-200APB26 XX,
and MDS-200APB36 XX (X=0-9, A-Z or Blank for marking
purpose and no related to safety)

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to EN 60601-1:2006/ A1:2013/ A12:2014;
National Differences specified in the CB Test Report.

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 60601-1:2005/AMD1:2012, IEC 60601-1:2005

As shown in the Test Report Ref. No. which forms part of this Certificate

E356265-D1011-2/A3/C0-CB issued on 2018-12-19

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pflingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

Date: 2018-12-28
Original Issue Date: 2017-08-25

Signature:

Jan-Erik Storgaard

For full legal entity names see www.ul.com/ncbnames

Factories:

DELTA ELECTRONICS POWER (DONGGUAN) CO., LTD.
DELTA INDUSTRIAL ESTATE, SHIJIE TOWN, DONGGUAN CITY, GUANGDONG PROVINCE 523308
CHINA

DELTA ELECTRONICS (THAILAND) PUBLIC CO., LTD.
909 SOI 9 MOO 4, BANGPOO INDUSTRIAL ESTATE (E.P.Z.), PATTANA 1 RD., TAMBOL PHRAKSA, AMPHUR
MUANG, SAMUTPRAKARN 10280,
THAILAND

Ratings:

Input rating: 100-240Vac, 50-60Hz, 2.5A

Output rating:

For MDS-200APB12 XX, MDS-200ADB12 XX: 12Vdc, 16.67A max., 200W max;

For MDS-200APB24 XX, MDS-200ADB24 XX, MDS-200APD24 XX: 24Vdc, 8.33A max., 200W max;

For MDS-200APB26 XX: 26Vdc, 7.69A max, 200W max;

For MDS-200APB36 XX: 36Vdc, 5.55A max, 200W max.

Additional Information:

The original report was technical modified to include the following changes/additions:

- Model MDS-200APB36, change secondary R636 from 42.2 Kohm to 44.2 Kohm, for adjusting the OTP NTC131 into a higher trigger point to add a load condition mode T: 36 Vdc, 1.67A (Natural convention, 60 W max., 70 degree C operation ambient)
- Model MDS-200APD24, added an alternate appliance inlet source Rong Feng Industrial Co It., model RF-180.
- Remove one Y-cap (Y1, Y2) alternate source, Walsin, model: AH.

Additional information (if necessary)



UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK

UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

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Date: 2018-12-28

Original Issue Date: 2017-08-25

Signature:

Jan-Erik Storgaard