



Ref. Certif. No.

DK-143310-UL

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 City 32063
Taiwan

Name and address of the manufacturer

DELTA ELECTRONICS INC
3 Tungyuan Road
Chungli Industrial Zone Taoyuan City 32063
Taiwan

Name and address of the factory

DELTA ELECTRONICS (JIANGSU) LTD.
No 1688 Jiangxing East Road
Wujiang Economic and Technological Development Zone Suzhou City,
Jiangsu, 215200
China

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

Additional Information on page 2

Ratings and principal characteristics

Input rating: 100 - 240V ac, 5.5-2.7 A, 50-60 Hz
Output rating (Full load):
MDS-400AUS19 B
19V dc, 21.1A
12V dc, 0.25 A (For Fan)

Additional Information on page 2

Trademark / Brand (if any)

DELTA ELECTRONICS INC

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

MDS-400AUS19 B, MDS-400AUS18 B, MDS-400AUS24 B

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

Additionally evaluated to: EN 60601-1:2006, EN 60601-1:2006/A1:2013,
EN 60601-1:2006/A12:2014, EN 60601-1:2006/A2:2021
National Differences: EU Group Differences, CA, US
 Additional Information on page 2

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

IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012,
IEC 60601-1:2005/AMD2:2020

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

E356265-D1139-1/A0/C0-CB issued on 2023-06-20

This CB Test Certificate is issued by the National Certification Body



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

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

Date: 2023-07-20

Signature:

Thomas Wilson



Ref. Certif. No.

DK-143310-UL

Factory(ies):

Delta Electronics (Thailand) Public Company Limited
111/6 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua, Amphur Bangpakong Chachoengsao,
Chachoengsao, 24180
Thailand

DELTA ELECTRONICS (THAILAND) PUBLIC CO LTD
909 Soi 9 Moo 4
Bangpoo Industrial Estate (EPZ)
Pattana 1 Road Samutprakarn, Bangkok, 10280
Thailand

Delta Electronics (Dongguan) Co Ltd
No 33 Pantao Road Shijie Town Dongguan, Guangdong, 523308
China

Delta Electronics (Dongguan) Co., Ltd Southwest Branch
No 33 Pantao Road, Shijie Town Dongguan, Guangdong, 523308
China

Delta Electronics India Private Limited SEZ Unit
SY No 16/1b2b(Part) & 16/1b2a(Part)
Plot No 1 Industrial Park
Kurubarapalli Village Krishnagiri, Tamil Nadu 635115
India

Delta Electronics (Wuhu) Ltd
No. 138 Jiuhua North Road
Longshan Street
Economic Technical Development Area Wuhu City, Anhui, 241009
China

Additional Ratings:

MDS-400AUS18 B
18V dc, 22.2A
12V dc, 0.25 A (For Fan)
MDS-400AUS24 B
24V dc, 16.7A
12V dc, 0.25 A (For Fan)

Natural Convection:

Ambient 50 degree C: maximum output 300 W
Ambient 70 degree C: maximum output 200 W

Fan Cooling:

Ambient 50 degree C: maximum output 400 W
Ambient 70 degree C: maximum output 250 W
See Test Report for fan cooling information when test.

Additional information (if necessary)



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

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

Date: 2023-07-20

Signature:

Thomas Wilson

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE**CERTIFICAT D'ESSAI OC**

Product
Produit

Name and address of the applicant
Nom et adresse du demandeur

Name and address of the manufacturer
Nom et adresse du fabricant

Name and address of the factory
Nom et adresse de l'usine

Note: When more than one factory, please report on page 2
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2^{ème} page

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Trademark (if any)
Marque de fabrique (si elle existe)

Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

Model / Type Ref.
Ref. De type

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{ème} page

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

As shown in the Test Report Ref. No. which forms
part of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

SWITCHING POWER SUPPLY

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

DELTA ELECTRONICS, INC.
3 TUNGYUAN ROAD, CHUNGLI INDUSTRIAL ZONE
TAOYUAN COUNTY 32063
TAIWAN, R.O.C.

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
See Page 2

DELTA ELECTRONICS INC.**MDS-400AUS18 B, MDS-400AUS19 B, MDS-400AUS24 B**

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

Additional Information on page 2

IEC 60601-1(ed.3), IEC 60601-1(ed.3);am1**E356265-D1008-1-CB issued on 2015-09-24**

This CB Test Certificate is issued by the National Certification Body

Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- 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: 2015-10-01**Signature:**

Jan-Erik Storgaard



Ref. Certif. No.

DK-48836-UL

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:

Input rating:

100 - 240V ac, 5.5-2.7 A, 50-60 Hz

Output rating (Full load):

MDS-400AUS19 B

19V dc, 21.1A

12V dc, 0.25 A (For Fan)

MDS-400AUS18 B

18V dc, 22.2A

12V dc, 0.25 A (For Fan)

MDS-400AUS24 B

24V dc, 16.7A

12V dc, 0.25 A (For Fan)

Natural Convection:

Ambient 50 degree C: maximum output 300 W

Ambient 70 degree C: maximum output 200 W

Fan Cooling:

Ambient 50 degree C: maximum output 400 W

Ambient 70 degree C: maximum output 250 W

See test report for details.

Additional information (if necessary)

Information complémentaire (si nécessaire)



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: 2015-10-01

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-106887-UL

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
CITY 32063 TAIWAN

Name and address of the manufacturer

DELTA ELECTRONICS INC
3 TUNGYUAN ROAD CHUNGLI INDUSTRIAL ZONE TAOYUAN
CITY 32063 TAIWAN

Name and address of the factory

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

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

Additional Information on page 2

Ratings and principal characteristics

MDS-400AUS19 B:
- Input: 100-240 V~, 5.5-2.7 A, 50-60 Hz;
- DC output: 19 Vdc, 21.1A; 12Vdc, 0.25A
MDS-400AUS24 B:
- Input: 100-240 V~, 5.5-2.7 A, 50-60 Hz;
- DC output: 24 Vdc, 16.7A; 12Vdc, 0.25A

Trademark / Brand (if any)

DELTA or DELTA ELECTRONICS INC



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

CTF Stage 2

Model / Type Ref.

MDS-400AUS19 B, MDS-400AUS24 B

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

Additional Information on page 2

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

IEC 62368-1:2014

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

E131881-A6466-CB-1 issued on 2020-12-08

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

Date: 2020-12-09

Signature:

Jan-Erik Storgaard

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



Ref. Certif. No.

DK-106887-UL

Factories:

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

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

DELTA ELECTRONICS INDIA PRIVATE LIMITED-SEZ UNIT
DELTA SEZ NOTIFIED AT SY NO. 16/1B2B PART & 16/1B2A PART PLOT NO.1, INDUSTRIAL PARK,
KURUBARAPALLI VILLAGE KRISHNAGIRI DIST, TAMIL NADU, 635115,
INDIA

Additional Information:

Additionally evaluated to EN 62368-1:2014 / A11:2017
National Difference specified in the CB Test Report

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/names

Date: 2020-12-09

Signature: 
Jan-Erik Storgaard



Ref. Certif. No.

DK-132842-UL

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 CITY
32063 TAIWAN

Name and address of the manufacturer

DELTA ELECTRONICS INC
3 TUNGYUAN ROAD
CHUNGLI INDUSTRIAL ZONE
TAOYUAN CITY
32063 TAIWAN

Name and address of the factory

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

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

Ratings and principal characteristics

Additional Information on page 2
MDS-400AUS19 B:
- Input: 100-240 V~, 5.5-2.7 A, 50-60 Hz
- DC output: 19 Vdc, 21.1A, 12Vdc, 0.25A
 Additional Information on page 2

Trademark / Brand (if any)

DELTA or DELTA ELECTRONICS



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

MDS-400AUS19 B, MDS-400AUS24 B

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

Additionally evaluated to: EN IEC 62368-1:2020, EN IEC 62368-1:2020/A11:2020
National Differences specified in the CB Test Report.

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

Additional Information on page 2
IEC 62368-1:2018

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

E131881-A6850-CB-1 issued on 2022-09-27

This CB Test Certificate is issued by the National Certification Body



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

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

Date: 2022-09-28

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-132842-UL

Factory(ies):

Delta Electronics (Dongguan) Co., Ltd.
No. 33 Pantao Road Shijie Town Dongguan Guangdong 523308
China

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

DELTA ELECTRONICS (WUHU) LTD.
No. 138, Jiuhua North Road, LongShan Street, Economic technical Development Area Wuhu City, Anhui Province,
P. R. China

Delta Electronics (Thailand) Public Company Limited
111/6 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua, Amphur Bangpakong, Chachoengsao 24180,
Thailand

Delta Electronics (Dongguan) Co., Ltd Southwest Branch
No. 33 Pantao Road Shijie Town Dongguan Guangdong 523308
China

Delta Electronics India Private Limited-SEZ Unit
Delta SEZ Notified at SY No. 16/1B2B Part & 16/1B2A Part Plot No.1, Industrial Park, Kurubarapalli Village Krishnagiri Dist,
Tamil Nadu, 635115,
INDIA

Additional Ratings:

MDS-400AUS19 B:
- Input: 100-240 V~, 5.5-2.7 A, 50-60 Hz
- DC output: 19 Vdc, 21.1A, 12Vdc, 0.25A

MDS-400AUS24 B:
- Input: 100-240 V~, 5.5-2.7 A, 50-60 Hz
- DC output: 24 Vdc, 16.7A, 12Vdc, 0.25A

Additional information (if necessary)



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

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

Date: 2022-09-28

Signature:

Jan-Erik Storgaard

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
Produit

SWITCHING POWER SUPPLY

Name and address of the applicant
Nom et adresse du demandeur

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

Name and address of the manufacturer
Nom et adresse du fabricant

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

Name and address of the factory
Nom et adresse de l'usine

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

Note: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} page

Additional Information on page 2
See Page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

DELTA ELECTRONICS, INC.

Trademark (if any)
Marque de fabrique (si elle existe)
Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

TMP

Model / Type Ref.
Ref. De type

MDS-400AUS18 B, MDS-400AUS19 B, MDS-400AUS24 B

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,,
peuvent être indiqués sur la 2^{ème} page

Additional Information on page 2

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1

As shown in the Test Report Ref. No. which forms
part of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

E131881-A1634-CB-1 issued on 2013-07-10

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- 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: 2013-07-10
Original Issue Date: 2013-05-07

Signature:


Jan-Erik Storgaard

Factories:

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

Ratings:

MDS-400AUS19 B:

- Input: 100-240 V~, 5.5-2.7 A, 50-60 Hz;
- DC output: 19 Vdc, 21.1A; 12Vdc, 0.25A

MDS-400AUS18 B:

- Input: 100-240 V~, 5.5-2.7 A, 50-60 Hz;
- DC output: 18 Vdc, 22.2A; 12Vdc, 0.25A

MDS-400AUS24 B:

- Input: 100-240 V~, 5.5-2.7 A, 50-60 Hz;
- DC output: 24 Vdc, 16.7A; 12Vdc, 0.25A

Additional Information:

The original report was modified to include the following changes/additions:
The addition of new model with new rating, Japan Difference and Australia / New Zealand Differences.

Additionally evaluated to EN 60950-1:2006/A11:2009/A1:2010/A12:2011.
National Differences specified in the CB Test Report.

Additional information (if necessary)**Information complémentaire (si nécessaire)**

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: 2013-07-10

Original Issue Date: 2013-05-07

Signature:



Jan-Erik Storgaard