



Ref. Certif. No.

DK-131084-UL

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

CB TEST CERTIFICATE

Product	AC/DC Adapter
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 (Dongguan) Co Ltd No 33 Pantao Road Shijie Town Dongguan, Guangdong, 523308 China <input checked="" type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Input rating: 100-240 Vac, 2.5-1 A, 50-60 Hz Output rating: MDS-150AAS12 B: 12 Vdc, 10 A, MDS-150AAS19 B: 19 Vdc, 7.89 A, MDS-150AAS24 B: 24 Vdc, 6.25 A. <input checked="" type="checkbox"/> Additional Information on page 2
Trademark (if any)	Delta
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	MDS-150AAS12 B, MDS-150AAS19 B, MDS-150AAS24 B
Additional information (if necessary may also be reported on page 2)	The risk management requirements of the standard were not addressed <input type="checkbox"/> 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-D1104-1/A0/C0-CB issued on 2022-08-12

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: 2022-08-16

Signature: 
Jan-Erik Storgaard



Ref. Certif. No.

DK-131084-UL

Factory(ies):

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 No1
Industrial Park Kurubarapalli Village Krishnagiri Dist, Tamil Nadu 635115
India

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

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

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/ncbnames

Date: 2022-08-16

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-130142-M1-UL

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

CB TEST CERTIFICATE

Product	AC/DC Adapter
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 215200, No.1688, Jiangxing East Road, Wujiang Economic and Technological Development Zone, Suzhou City, Jiangsu Province, P. R. China <input checked="" type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Input rating: 100-240 Vac, 2.5-1 A, 50-60 Hz <input checked="" type="checkbox"/> Additional Information on page 2
Trademark / Brand (if any)	Delta
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	MDS-150AAS24 F, MDS-150AAS19 F, MDS-150AAS12 F
Additional information (if necessary may also be reported on page 2)	The report was revised to include technical modifications. <input checked="" type="checkbox"/> 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-D1100-1/A2/C0-CB issued on 2023-08-21

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/nbcnames

Date: 2023-08-23
Original Issue Date: 2022-07-21

Signature:
Thomas Wilson



Ref. Certif. No.

DK-130142-M1-UL

Factory(ies):

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

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

Delta Electronics (Thailand) Public Co., Ltd.
111/6 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua, Amphur Bangpakong, Chachoengsao 24180, 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 (WUHU) LTD.
No.138, Jiuhua North Road, LongShan Street, Economic technical Development Area Wuhu City, Anhui Province, 241009, China

Additional Ratings:

Output rating:
MDS-150AAS12 F: 12 Vdc, 10 A
MDS-150AAS19 F: 19 Vdc, 7.89 A
MDS-150AAS24 F: 24 Vdc, 6.25 A.

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, GB, US

Summary of Modifications:

1. Add RM evaluation.
2. Add National Difference evaluations.
3. Add a new factory.
4. Revise factory name and its address.

Additional information (if necessary)



- UL Solutions (US), 333 Pflingsten 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: 2023-08-23

Signature:

Original Issue Date: 2022-07-21

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

AC/DC Adapter

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

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

Additional Information on page 2
See Page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Delta

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

MDS-150AAS12 B, MDS-150AAS12 F, MDS-150AAS19 B,
MDS-150AAS19 F, MDS-150AAS24 B, MDS-150AAS24 F

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^{eme} 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 60601-1(ed.3), IEC 60601-1(ed.3);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

E356265-D1001-1-CB issued on 2015-08-27

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: 2015-08-28

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-48118-UL

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, 2.5-1A, 50-60 Hz for MDS-150AAS12 B, MDS-150AAS19 B, MDS-150AAS24 B, MDS-150AAS12 F,
MDS-150AAS19 F, MDS-150AAS24 F.

Output rating:

MDS-150AAS12 B, MDS-150AAS12 F: 12Vdc, 10A;
MDS-150AAS19 B, MDS-150AAS19 F: 19Vdc, 7.89A;
MDS-150AAS24 B, MDS-150AAS24 F: 24Vdc, 6.25A.

Additional Information:

Additionally evaluated to EN 60601-1: 2006 / A1: 2013 / A12: 2014; 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: 2015-08-28

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-97620-UL

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

CB TEST CERTIFICATE

Product

AC/DC MEDICAL ADAPTER for Models MDS-150AAS24 B,
MDS-150AAS19 B, MDS-150AAS12 B;
AC/DC ADAPTER for Models MDS-150AAS24 F,
MDS-150AAS19 F, MDS-150AAS12 F.

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

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

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

Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark / Brand (if any)

DELTA ELECTRONICS, INC.

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

CTF Stage 1

Model / Type Ref.

MDS-150AAS12 B, MDS-150AAS12 F, MDS-150AAS19 B,
MDS-150AAS19 F, MDS-150AAS24 B, MDS-150AAS24 F

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

Additionally evaluated to EN 62368-1:2014 / A11: 2017; 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 62368-1:2014

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

E131881-A6160-CB-1 issued on 2020-05-27

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: 2020-06-01

Signature:

Jan-Erik Storgaard

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



Ref. Certif. No.

DK-97620-UL

Factories:

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 (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

Ratings:

Input: 100-240V~, 2.5-1A, 50-60Hz

For Model MDS-150AAS24 B, MDS-150AAS24 F
DC Output: 24V, 6.25A;

For Model MDS-150AAS19 B, MDS-150AAS19 F
DC Output: 19V, 7.89A;

For Model MDS-150AAS12 B, MDS-150AAS12 F
DC Output: 12V, 10A

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: 2020-06-01

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-132557-UL

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

CB TEST CERTIFICATE

Product	AC/DC MEDICAL ADAPTER and AC/DC ADAPTER
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	<input checked="" type="checkbox"/> Additional Information on page 2 Input: 100-240V~, 2.5-1A, 50-60Hz <input checked="" type="checkbox"/> Additional Information on page 2
Trademark / Brand (if any)	DELTA ELECTRONICS, INC.
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	MDS-150AAS24 B, MDS-150AAS19 B, MDS-150AAS12 B, MDS-150AAS24 F, MDS-150AAS19 F, MDS-150AAS12 F <input type="checkbox"/> Additional Information on page 2
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. <input checked="" type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2018
As shown in the Test Report Ref. No. which forms part of this Certificate	E131881-A6842-CB-1 issued on 2022-09-22

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: 2022-09-22

Signature:

Jan Erik Storgaard
Jan-Erik Storgaard



Ref. Certif. No.

DK-132557-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,
China

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

For Model MDS-150AAS24 B, MDS-150AAS24 F
DC Output: 24V, 6.25A
For Model MDS-150AAS19 B, MDS-150AAS19 F
DC Output: 19V, 7.89A
For Model MDS-150AAS12 B, MDS-150AAS12 F
DC Output: 12V, 10A

AC/DC MEDICAL ADAPTER for Models MDS-150AAS24 B, MDS-150AAS19 B, MDS-150AAS12 B;
AC/DC ADAPTER for Models MDS-150AAS24 F, MDS-150AAS19 F, MDS-150AAS12

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: 2022-09-22

Signature:

Jan-Erik Storgaard