



Ref. Certif. No.

DK-144705-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 (EPZ) Pattana 1 Road Samutprakarn, Bangkok, 10280 Thailand <input checked="" type="checkbox"/> Additional Information on page 2
<i>Note: When more than one factory, please report on page 2</i>	
Ratings and principal characteristics	Input rating: 100 - 240Vac, 1.5-0.75A, 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-065APS12 B, MDS-065APS15 B, MDS-065APS18 B, MDS-065APS24 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 <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-D1003-2/A0/C0-CB issued on 2023-08-28

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: 2023-08-30

Signature:

Thomas Wilson
Thomas Wilson



Ref. Certif. No.

DK-144705-UL

Factory(ies):

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

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

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 (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 Jiu Hua North Road
Longshan Street
Economic Technical Development Area Wuhu City, Anhui, 241009
China

Additional Ratings:

Output rating (Full load):
MDS-065APS12 B: 12Vdc, 5.42A
MDS-065APS15 B: 15Vdc, 4.2A
MDS-065APS18 B: 18Vdc, 3.61A
MDS-065APS24 B: 24Vdc, 2.71A

When ambient 50 degree C - output full load, ambient 70 degree C - output half load

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: 2023-08-30

Signature:

Thomas Wilson



Ref. Certif. No.

DK-48653-M1-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 RD CHUNGLI INDUSTRIAL ZONE,
TAOYUAN CITY 32063 TAIWAN

Name and address of the manufacturer

DELTA ELECTRONICS INC
3 TUNGYUAN RD 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 RD., 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

See Page 2

Trademark / Brand (if any)

DELTA

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

Model / Type Ref.

MDS-065APS12 B, MDS-065APS15 B, MDS-065APS18 B,
MDS-065APS24 B

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

The report was revised to include technical modifications.

[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-D1003-1/A1/C0-CB issued on 2019-11-06

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: 2019-11-08
Original Issue Date: 2015-09-21

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-48653-M1-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 AND TECHNOLOGICAL DEVELOPMENT ZONE,
SUZHOU CITY, JIANGSU PROVINCE, 215200 CHINA

Ratings:

Input rating: 100 - 240Vac; 1.5-0.75A; 50-60 Hz

Output rating (Full load):

MDS-065APS12 B

12Vdc, 5.42A

MDS-065APS15 B

15Vdc, 4.2A

MDS-065APS18 B

18Vdc, 3.61A

MDS-065APS24 B

24Vdc, 2.71A

When ambient 50 degree C - output full load, ambient 70 degree C - output half load

Additional Information:

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

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

1. Modify Transistor (Q1) rating from "650V min., 10.6-13A" to " 650V min., 10-13A".
2. Alternate Optocoupler (IC35), TOSHIBA ELECTRONIC DEVICES, Type TLP785F.
3. Correct editorial errors of previous CB Report.
4. Revise the address of the applicant & manufacturer.
5. Revise the address of the factory.

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: 2019-11-08

Original Issue Date: 2015-09-21

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 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 <small>Note: When more than one factory, please report on page 2</small>	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 <input checked="" type="checkbox"/> 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-065APS12 B, MDS-065APS15 B, MDS-065APS18 B, MDS-065APS24 B, PJT-12V65WBAXY, PJT-15V65WBAXY, PJT-18V65WBAXY, PJT-24V65WBAXY (X,Y=0-9, A-Z or Blank)
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 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	OFF-4787520254.1.1-BA1-1 Amendment 3 issued on 2019-09-18

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: 2019-09-19
Original Issue Date: 2016-08-05

Signature:

Jan-Erik Storgeard
For full legal entity names see www.ul.com/ncbnames



Ref. Certif. No.

DK-56976-M3-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 AND TECHNOLOGICAL DEVELOPMENT ZONE,
SUZHOU CITY, JIANGSU PROVINCE,
P.R.C.

Ratings:

Input: 100-240V~, 1.5-0.75A, 50-60Hz

(for Models MDS-065APS12 B, MDS-065APS15 B, MDS-065APS18 B, MDS-065APS24 B)

Input: 100-240V~, 1.5A, 50-60Hz

(for Models PJT-12V65WBAXY, PJT-15V65WBAXY, PJT-18V65WBAXY, PJT-24V65WBAXY (X,Y=0-9, A-Z or Blank)

Output:

24Vdc, 2.71A (for model MDS-065APS24 B, PJT-24V65WBAXY) (X,Y=0-9, A-Z or Blank);

18Vdc, 3.61A (for model MDS-065APS18 B, PJT-18V65WBAXY) (X,Y=0-9, A-Z or Blank);

15Vdc, 4.2A (for model MDS-065APS15 B, PJT-15V65WBAXY) (X,Y=0-9, A-Z or Blank);

12Vdc, 5.42A (for model MDS-065APS12 B)

12Vdc, 5.0A (for model PJT-12V65WBAXY)

(X,Y=0-9, A-Z or Blank)

Additional Information:

Additionally evaluated to EN 62368-1:2014

National Difference specified in the CB Test Report

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

1. Add alternate sources of Optocoupler (IC35)
2. Update address of Applicant and Manufacturer
3. Update address of factory.

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: 2019-09-19

Original Issue Date: 2016-08-05

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-93365-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

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-065APS12 B, MDS-065APS15 B, MDS-065APS18 B,
MDS-065APS24 B, PJT-12V65WBAXY, PJT-15V65WBAXY,
PJT-18V65WBAXY, PJT-24V65WBAXY (X,Y=0-9, A-Z or Blank)

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

Additionally evaluated to EN 62368-1:2014 /A11:2017.
National Difference 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

E131881-4789375777-1 Reissue issued on 2020-02-20

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: 2020-02-21

Signature:

Jan-Erik Storgaard

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



Ref. Certif. No.

DK-93365-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

Ratings:

Input: 100-240V~, 1.5-0.75A, 50-60Hz

(for Models MDS-065APS12 B, MDS-065APS15 B, MDS-065APS18 B, MDS-065APS24 B)

Input: 100-240V~, 1.5A, 50-60Hz

(for Models PJT-12V65WBAXY, PJT-15V65WBAXY, PJT-18V65WBAXY, PJT-24V65WBAXY)

Output:

24Vdc, 2.71A

(for model MDS-065APS24 B, PJT-24V65WBAXY);

18Vdc, 3.61A

(for model MDS-065APS18 B, PJT-18V65WBAXY);

15Vdc, 4.2A

(for model MDS-065APS15 B, PJT-15V65WBAXY);

12Vdc, 5.42A (for model MDS-065APS12 B)

12Vdc, 5.0A (for model PJT-12V65WBAXY)

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: 2020-02-21

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-132945-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](#)

Input: 100-240V~, 1.5-0.75A, 50-60Hz (for Models MDS-065APS12 B, MDS-065APS15 B, MDS-065APS18 B, MDS-065APS24 B)

[Additional Information on page 2](#)

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

MDS-065APS12 B, MDS-065APS15 B, MDS-065APS18 B,
MDS-065APS24 B, PJT-12V65WBAXY, PJT-15V65WBAXY,
PJT-18V65WBAXY, PJT-24V65WBAXY (X,Y=0-9, A-Z or Blank)

[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.

[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-A6809-CB-1 issued on 2022-09-29

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: 2022-09-29

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-132945-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:

Input: 100-240V~, 1.5-0.75A, 50-60Hz
(for Models MDS-065APS12 B, MDS-065APS15 B, MDS-065APS18 B, MDS-065APS24 B)

Input: 100-240V~, 1.5A, 50-60Hz
(for Models PJT-12V65WBAXY, PJT-15V65WBAXY, PJT- 18V65WBAXY, PJT-24V65WBAXY)

Output:
24Vdc, 2.71A
(for model MDS-065APS24 B, PJT-24V65WBAXY)
18Vdc, 3.61A
(for model MDS-065APS18 B, PJT-18V65WBAXY)
15Vdc, 4.2A

(for model MDS-065APS15 B, PJT-15V65WBAXY)
12Vdc, 5.42A (for model MDS-065APS12 B)
12Vdc, 5.0A (for model PJT-12V65WBAXY)

Additional information (if necessary)



- UL Solutions (US), 333 Pflugsten 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: 2022-09-29

Signature:

Jan-Erik Storgaard