

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

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

See additional page(s) for the listing of 7 factories

Ratings and principal characteristics

Input : AC 100-240V; 1.42A or AC 200-240V;
0.7A (China use only); 50-60Hz; Class I
Output: 1) DC 12V; 10A, 2) DC 24V; 5A;
3) DC 48V; 2.5A

Trademark / Brand (if any)

Trademark of Delta Electronics, Inc.

Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

1) DRF-12V120W1PBAX1x2,
2) DRF-24V120W1PBAX1x2,
3) DRF-48V120W1PBAX1x2,
(where x1, x2 can be any alphanumeric character or blank)

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

Additionally evaluated to EN 62368-1:2014+A11:2017.
Additionally evaluated to BS EN 62368-1:2014+A11:2017.
For model differences, refer to the test report.

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

IEC 62368-1:2014
See Test Report for National Differences

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

CN26Q7MX 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland Japan Ltd.
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021, Japan
Mail: info@jpn.tuv.com



Date: 2026-04-01

Signature: Dipl.-Ing. Th. Illing

Factories :

1. Delta Electronics (Dongguan) Co., Ltd.
No. 33, Pantao Road, Shijie Town Dongguan 523308 Guangdong
P.R. China
2. Delta Electronics (Dongguan) Co., Ltd. Southwest Branch
No.33, Pantao Road, Shijie Town, Dongguan, Guangdong 523308,
P.R. China
3. Delta Electronics (Jiangsu) Ltd.
215200, No.1688, Jiangxing East Road, Wujiang Economic and Technological
Development Zone Suzhou City, Jiangsu Province
P.R. China
4. 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
5. Delta Electronics (Thailand) Public Co., Ltd.
111/6 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua,
Amphur Bangpakong, Chachoengsao 24180
Thailand
6. 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
7. Delta Electronics (Chongqing) Co., Ltd.
No. 1 Meidu Road, Yinglong Town, Nan'an District, 401336 Chongqing
P.R. China



Ref. Certif. No.

JPTUV-185217-A1

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

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

See additional page(s) for the listing of 7 factories

Ratings and principal characteristics

Input : AC 100-240V; 1.42A or AC 200-240V;
0.7A (China use only); 50-60Hz; Class I
Output: 1) DC 12V; 10A, 2) DC 24V; 5A;
3) DC 48V; 2.5A

Trademark / Brand (if any)

Trademark of Delta Electronics, Inc.

Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

1) DRF-12V120W1PBAX1x2,
2) DRF-24V120W1PBAX1x2,
3) DRF-48V120W1PBAX1x2,
(where x1, x2 can be any alphanumeric character or blank)

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

Additionally evaluated to EN IEC 62368-1:2020+A11:2020.
Additionally evaluated to BS EN IEC 62368-1:2020+A11:2020.
For model differences, refer to the test report.
Re-issue of JPTUV-185217 dated 2026-03-24,
due to non-technical change.

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

IEC 62368-1:2018
See Test Report for National Differences

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

CN26779K 002

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland Japan Ltd.
4-25-2 Kita-Yamata, Tsuzuki-ku
Yokohama 224-0021, Japan
Mail: info@jpn.tuv.com

Handwritten signature

Date: 2026-04-13

Signature: Dipl.-Ing. F. Stoelzel

10/061SMD 2024-12 rke-simplified

Factories :

1. Delta Electronics (Dongguan) Co., Ltd.
No. 33, Pantao Road, Shijie Town Dongguan 523308 Guangdong
P.R. China
2. Delta Electronics (Dongguan) Co., Ltd. Southwest Branch
No.33, Pantao Road, Shijie Town, Dongguan, Guangdong 523308,
P.R. China
3. Delta Electronics (Jiangsu) Ltd.
215200, No.1688, Jiangxing East Road, Wujiang Economic and Technological
Development Zone Suzhou City, Jiangsu Province
P.R. China
4. 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
5. Delta Electronics (Thailand) Public Co., Ltd.
111/6 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua,
Amphur Bangpakong, Chachoengsao 24180
Thailand
6. 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
7. Delta Electronics (Chongqing) Co., Ltd.
No. 1 Meidu Road, Yinglong Town, Nan'an District, 401336 Chongqing
P.R. China




Ref. Certif. No.

DK-179971-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 Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	For model DRF-12V120W1PBx1x2: Input: 100-240Vac, 1.42A, 50-60Hz Output: 12V, 10A Additional Information on page 2
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	DRF-12V120W1PBx1x2, DRF-24V120W1PBx1x2, DRF-48V120W1PBx1x2 (x1, x2 can be any alphanumeric character or blank)
Additional information (if necessary may also be reported on page 2)	Evaluated to National or Group Differences for 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 61010-1:2010, IEC 61010-1:2010/AMD1:2016, IEC 61010-2-201:2017
As shown in the Test Report Ref. No. which forms part of this Certificate	E338991-D1054-0/A0/C0-CB issued on 2026-05-05

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: 2026-05-05

Signature: 
Thomas Wilson



Ref. Certif. No.

DK-179971-UL

Factory(ies):

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

Delta Electronics (Dongguan) Co Ltd
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

Additional Ratings:

For model DRF-24V120W1PBAX1x2:
Input: 100-240Vac, 1.42A, 50-60Hz
Output: 24V, 5A

For model DRF-48V120W1PBAX1x2:
Input: 100-240Vac, 1.42A, 50-60Hz
Output: 48V, 2.5A

Evaluated to National Differences declared for:

EN 61010-1:2010, EN 61010-1:2010/A1:2019, EN IEC 61010-2-201:2018

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: 2026-05-05

Signature:

Thomas Wilson

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

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

See additional page(s) for the listing of 7 factories

Ratings and principal characteristics

Input : AC 100-240V; 1.42A or AC 200-240V;
0.7A (China use only); 50-60Hz; Class I
Output: 1) DC 12V; 10A, 2) DC 24V; 5A;
3) DC 48V; 2.5A

Trademark / Brand (if any)

Trademark of Delta Electronics, Inc.

Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

1) DRF-12V120W1PBAX1x2,
2) DRF-24V120W1PBAX1x2,
3) DRF-48V120W1PBAX1x2,
(where x1, x2 can be any alphanumeric character or blank)

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

All models are similar to each other except for the model designation, output ratings, isolating transformer (T1) source, and rating of components (with/without) (CX1, C101, C102, C103, C101A, C102A, C103A, R107, R108, L201, L201A, Q102, Q103), refer to test report for details.

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

IEC 61558-2-16:2021
IEC 61558-1:2017
for national differences see test report

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

CN264DMW 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland LGA Products GmbH
Tillystr. 2, 90431 Nürnberg, Germany
Mail: cert-validity@de.tuv.com



Date: 2026-04-24

Signature: Dipl.-Ing. Th. Illing

Factories :

1. Delta Electronics (Dongguan) Co., Ltd.
No. 33, Pantao Road, Shijie Town Dongguan 523308 Guangdong
P.R. China
2. Delta Electronics (Dongguan) Co., Ltd. Southwest Branch
No.33, Pantao Road, Shijie Town, Dongguan, Guangdong 523308,
P.R. China
3. Delta Electronics (Jiangsu) Ltd.
215200, No.1688, Jiangxing East Road, Wujiang Economic and Technological
Development Zone Suzhou City, Jiangsu Province
P.R. China
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909 Soi 9 Moo 4, Bangpoo Industrial Estate (E.P.Z.), Pattana 1 Road, Tambol
Phraksa, Amphur Muang, Samutprakarn 10280
Thailand
5. Delta Electronics (Thailand) Public Co., Ltd.
111/6 Moo 9, Wellgrow Industrial Estate, Bangna-Trad Road, Tambol Bangwua,
Amphur Bangpakong, Chachoengsao 24180
Thailand
6. 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
7. Delta Electronics (Chongqing) Co., Ltd.
No. 1 Meidu Road, Yinglong Town, Nan'an District, 401336 Chongqing
P.R. China

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

CB TEST CERTIFICATE

Product

SWITCHING POWER SUPPLY

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Name and address of the manufacturer

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

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Input : AC 100-240V; 1.42A or AC 200-240V;
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Output: 1) DC 12V; 10A, 2) DC 24V; 5A;
3) DC 48V; 2.5A

Trademark / Brand (if any)

Trademark of Delta Electronics, Inc.

Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

1) DRF-12V120W1PBAX1x2,
2) DRF-24V120W1PBAX1x2,
3) DRF-48V120W1PBAX1x2,
(where x1, x2 can be any alphanumeric character or blank)

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

All models are similar to each other except for the model designation, output ratings, isolating transformer (T1) source, and rating of components (with/without) (CX1, C101, C102, C103, C101A, C102A, C103A, R107, R108, L201, L201A, Q102, Q103), refer to test report for details.

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

IEC 61558-2-16:2009+A1
IEC 61558-1:2005+A1
for national differences see test report

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

CN26XHB5 001

This CB Test Certificate is issued by the National Certification Body



TÜV Rheinland LGA Products GmbH
Tillystr. 2, 90431 Nürnberg, Germany
Mail: cert-validity@de.tuv.com



Date: 2026-04-24

Signature: Dipl.-Ing. Th. Illing

Factories :

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