



Ref. Certif. No.

JPTUV-185975

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; 5.4A or AC 200-240V;  
2.65A (China use only); 50-60Hz; Class I  
Output: 1) DC 24V; 20A, 2) DC 48V; 10A

Trademark / Brand (if any)

Trademark of Delta Electronics, Inc.

Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

1) DRF-24V480W1PBAX1x2,  
2) DRF-48V480W1PBAX1x2  
(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.

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

CN26D37W 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: 2026-04-13

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-181185-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 Province, 215200 China
Note: When more than one factory, please report on page 2	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	Model DRF-24V480W1PBAx1x2 Input: 100-240Vac, 5.4 A, 50-60Hz Output: 24 V, 20 A (480 W Max.) <input checked="" type="checkbox"/> Additional Information on page 2
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	DRF-24V480W1PBAx1x2, DRF-48V480W1PBAx1x2 (Where 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, JP, CH, US <input checked="" type="checkbox"/> 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-D1059-1/A0/C0-CB issued on 2026-05-28

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](http://www.ul.com/ncbnames)

Date: 2026-06-01

Signature:   
Thomas Wilson



Ref. Certif. No.

**DK-181185-UL**

**Factory(ies):**

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

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 (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

**Additional Ratings:**

Model DRF-48V480W1PBAX1x2  
Input: 100-240Vac, 5.4 A, 50-60Hz  
Output: 48 V, 10 A (480 W Max.)

**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](http://www.ul.com/ncbnames)

Date: 2026-06-01

Signature:

Thomas Wilson



Ref. Certif. No.

DE 2-046695

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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Delta Electronics, Inc.
3, Tungyuan Road, Chungli Industrial Zone Taoyuan City
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Name and address of the manufacturer

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32063,
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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; 5.4A or AC 200-240V;
2.65A (China use only); 50-60Hz; Class I
Output: 1) DC 24V; 20A, 2) DC 48V; 10A

Trademark / Brand (if any)

Trademark of Delta Electronics, Inc.

Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

1) DRF-24V480W1PBAX1x2,
2) DRF-48V480W1PBAX1x2
(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) (R108, R120), 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

CN26B197 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

Handwritten signature

Date: 2026-04-23

Signature: Dipl.-Ing. Th. Illing

10/061SMD 2024-12 rke-simplified

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Thailand
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P.R. China