

DK-142363-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME **CB TEST CERTIFICATE** Switching power supply Product DELTA ELECTRONICS INC Name and address of the applicant 3 Tungyuan Road Chungli Industrial Zone Taoyuan City 32063 Taiwan DELTA ELECTRONICS INC Name and address of the manufacturer 3 Tungyuan Road Chungli Industrial Zone Taoyuan City 32063 Taiwan DELTA ELECTRONICS (THAILAND) PUBLIC CO., LTD. Name and address of the factory 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 Input rating: 100-240Vac, 7.5-3A, 50-60Hz Ratings and principal characteristics Additional Information on page 2 DELTA Trademark / Brand (if any) CTF Stage 2 Customer's Testing Facility (CTF) Stage used MEU-600C24T, MEU-600C36T, MEU-600C48T, MEU-600D24T, Model / Type Ref. MEU-600D48T, MEU-600E24T Additionally evaluated to: EN 60601-1:2006, EN 60601-1:2006/A1:2013, Additional information (if necessary may also be EN 60601-1:2006/A12:2014, EN 60601-1:2006/A2:2021 reported on page 2) National Differences: EU Group Differences, CA, US Additional Information on page 2 IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012, IEC 60601-A sample of the product was tested and found to be in conformity with 1:2005/AMD2:2020 As shown in the Test Report Ref. No. which forms E356265-D1147-1/A0/C0 issued on 2023-06-20 part of this Certificate 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 **Solutions** For full legal entity names see www.ul.com/ncbnames flih Date: 2023-06-27 Signature: Thomas Wilson



DK-142363-UL

Factory(ies):

DELTA ELECTRONICS (JIANGSU) LTD.

No.1688, Jiangxing East Road, Wujiang Economic and Technological Development Zone, Suzhou City, Jiangsu Province, 215200 P. R.

China

Delta Electronics (Dongguan) Co Ltd 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

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 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

Additional Ratings:

Output rating: For Model MEU-600C24T: 24V DC, 25A Max, 5Vsb DC, 1A Max, 12Vfan DC, 0.6A Max. Total power: 612W Max.

For Model MEU-600D24T (See Section Model Differences in detail): 24V DC, 25A Max, 5Vsb DC, 1A Max, 12Vfan DC, 0.6A Max. Total power: 612W Max.

For Model MEU-600C36T: 36V DC, 16.7A Max, 5Vsb DC, 1A Max, 12Vfan DC, 0.6A Max. Total power: 612W Max.

For Model MEU-600C48T: 48V DC, 12.5A Max, 5Vsb DC, 1A Max, 12Vfan DC, 0.6A Max. Total power: 612W Max.

For Model MEU-600D48T (See Section Model Differences in detail): 48V DC, 12.5A Max, 5Vsb DC, 1A Max, 12Vfan DC, 0.6A Max. Total power: 612W Max.

For Model MEU-600E24T: 24V DC, 25A Max, 5Vsb DC, 1A Max, Total power: 605W Max.

Additional information (if necessary)

UL Solutions	□ 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, JAP/ □ UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA	
Date: 2023-06-27	For full legal entity names see <u>www.ul.com/ncbnames</u> Signature:	

Thomas Wilson



DK-65175-A1-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 COUNTY 32063 TAIWAN		
Name and address of the manufacturer	DELTA ELECTRONICS INC 3 TUNGYUAN RD CHUNGLI INDUSTRIAL ZONE, TAOYUAN COUNTY 32063 TAIWAN		
Name and address of the factory Note: When more than one factory, please report on page 2	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		
Ratings and principal characteristics	Input rating: 100-240Vac, 7.5-3A, 50-60Hz, See Page 2		
Trademark (if any)	DELTA		
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 2		
Model / Type Ref.	MEU-600C24T, MEU-600C48T		
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN 60601 1:2006/ A1:2013/ A12:2014; National Differences specified in the CB Test Report.		
A sample of the product was tested and found to be in conformity with	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	E356265-D1035-1/A1/C0-CB issued on 2017-12-14		
This CB Test Certificate is issued by the National Certification Body Image: Control of the system of the			
Date: 2017-12-18 Signature: Original Issue Date: 2017-07-14	Jan Buh Supernal Jan-Erik Storgaard		



DK-65175-A1-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: Output rating: For Model MEU-600C24T: 24V DC, 25A Max; 5Vsb DC, 1A Max; 12Vfan DC, 0.6A Max. Total power: 612W Max. For Model MEU-600C48T: 48V DC, 12.5A Max; 5Vsb DC, 1A Max; 12Vfan DC, 0.6A Max. Total power: 612W Max. Additional Information: The original report was modified to include the following changes/additions: - Add new output rating for new Model. - Correct type designation of Relay (RL1). - Alternate Bridging Resistor . - The partial exiting Multi-layers PWB sources merged into Critical Component Table Item 41d. - Alternate Multi-layers PWB with Industrial Laminates. Additional information (if necessary) UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA

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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

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

Date: 2017-12-18 Original Issue Date: 2017-07-14

Signature: Jan-Erik Storgaard



DK-65174-A1-UL







DK-65174-A1-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: Output rating: For Model MEU-600C24T: 24V DC, 25A Max; 5Vsb DC, 1A Max; 12Vfan DC, 0.6A Max. Total power: 612W Max.

For Model MEU-600C48T: 48V DC, 12.5A Max; 5Vsb DC, 1A Max; 12Vfan DC, 0.6A Max. Total power: 612W Max.

Additional Information:

National Differences specified in the CB Test Report.

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

- Add new output rating for new Model.

- Correct type designation of Relay (RL1).

- Alternate Bridging Resistor .

- The partial exiting Multi-layers PWB sources merged into Critical Component Table Item 41d.

- Alternate Multi-layers PWB with Industrial Laminates.

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

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Date: 2017-12-18 Original Issue Date: 2017-07-14

Signature: Jan-Erik Storgaard



DK-105097-UL





DK-105097-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: (1) For models MEU-600C24T, MEU-600D24T: AC Input: 100-240V, 7.5-3A, 50-60Hz DC Output: 24V/25A Max, 12Vfan/0.6A Max, 5Vsb/1A Max, Total Power: 612W Max (2) For models MEU-600C48T, MEU-600D48T: AC Input: 100-240V/ 7.5-3A, 50-60Hz DC Output: 48V/12.5A Max, 12Vfan/0.6A Max, 5Vsb/1A Max, Total Power: 612W Max (3) For model MEU-600E24T: ÀĆ Input: 100-240V, 7.5-3A, 50-60Hz DC Output: 24V/25A Max, 5Vsb/1A Max, Total Power: 605W Max Additional information (if necessary) UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA \times 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: 2020-11-02

an buch Supernal Signature:

Jan-Erik Storgaard



DK-134312-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME **CB TEST CERTIFICATE** SWITCHING POWER SUPPLY Product DELTA ELECTRONICS INC 3 TUNGYUAN ROAD CHUNGLI INDUSTRIAL ZONE TAOYUAN CITY Name and address of the applicant 32063 TAIWAN DELTA ELECTRONICS INC Name and address of the manufacturer **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 Note: When more than one factory, please report on page 2 Additional Information on page 2 Ratings and principal characteristics AC Input: 100-240V, 7.5-3A, 50-60Hz Additional Information on page 2 Trademark / Brand (if any) CTF Stage 2 Customer's Testing Facility (CTF) Stage used MEU-600C24T, MEU-600C48T, MEU-600D24T, MEU-600D48T, Model / Type Ref. MEU-600E24T Additionally evaluated to: Additional information (if necessary may also be EN IEC 62368-1:2020, EN IEC 62368-1:2020/A11:2020 reported on page 2) National Differences specified in the CB Test Report. □ Additional Information on page 2 A sample of the product was tested and found IEC 62368-1:2018 to be in conformity with As shown in the Test Report Ref. No. which forms E131881-A6869-CB-1 issued on 2022-11-03 part of this Certificate 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 Solutions UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA For full legal entity names see www.ul.com/ncbnames , but Superior Date: 2022-11-04 Signature: Jan-Erik Storgaard



DK-134312-UL

Factory(ies):

DELTA ÈLECTRONICS (DONGGUAN) CO., LTD SOUTHWEST BRANCH 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 (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 (THAILAND) PUBLIC COMPANY LIMITED 111/6 MOO 9, WELLGROW INDUSTRIAL ESTATE, BANGNA-TRAD ROAD, TAMBOL BANGWUA, AMPHUR BANGPAKONG, CHACHOENGSAO 24180, THAILAND

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:

(1) For models MEU-600C24T, MEU-600D24T: AC Input: 100-240V, 7.5-3A, 50-60Hz DC Output: 24V/25A Max, 12Vfan/0.6A Max, 5Vsb/1A Max, Total Power: 612W Max

(2) For models MEU-600C48T, MEU-600D48T: AC Input: 100-240V/ 7.5-3A, 50-60Hz DC Output: 48V/12.5A Max, 12Vfan/0.6A Max, 5Vsb/1A Max, Total Power: 612W Max

(3) For model MEU-600E24T: AC Input: 100-240V, 7.5-3A, 50-60Hz DC Output: 24V/25A Max, 5Vsb/1A Max, Total Power: 605W Max

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

Signature:

for our Superior

Jan-Erik Storgaard



DK-64432-A1-UL

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

CB TEST CERTIFICATE

Product

Name and address of the applicant

Name and address of the manufacturer

Name and address of the factory

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

Ratings and principal characteristics

SWITCHING POWER SUPPLY

Delta Electronics, Inc. 3 Tungyuan Road, Chungli Industrial Zone, Taoyuan County 32063, Taiwan

Delta Electronics, Inc. 3 Tungyuan Road, Chungli Industrial Zone, Taoyuan County 32063, Taiwan

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, Inhailand

Additional Information on page 2

See Page 2



Trademark (if any)

Model / Type Ref.

reported on page 2)

CTF Stage

MEU-600C24T, MEU-600C481

Additionally evaluated to EN 60950-1:2006 / A11:2009 / A1:2010 / A12:2011 / A2:2013; National differences specified in the CB Test Report.

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

Additional information (if necessary may also be

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

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

1(ed.2);am2 E131881-4788011284.1(BA1)-1 Amendment 1 issued on 2017-

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

This CB Test Certificate is issued by the National Certification Body





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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: 2017-11-17 Signature: Original Issue Date: 2017-06-21

an Jun Supan Jan-Erik Storgaard



DK-64432-A1-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: AC Input: 100-240V/ 7.5-3A, 50-60Hz For Model MEU-600C24T DC Output: 24V 25A MAX; 12Vfan 0.6A MAX 5Vsb 1A MAX; Total Power:612W MAX For Model MEU-600C48T DC Output: 48V 12.5A MAX; 12Vfan 0.6A MAX 5Vsb 1A MAX; Total Power:612W MAX Additional Information:

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

(1) Add Model MEU-600C48T with new rating

(2) Revised Japan difference.

- (3) Correct Printed wiring board trace dimension information.
- (4) Correct TABLE: Clearance and creepage distance measurements information for Model MEU-600C24T.

(5) Correct fuse model information.

(6) Correct fuse model information.

(7) Correct Relay (RL1) model information.

(8) Alternate source Bridging Resistor (R33, R34, R35, R36, R37, R39, R102) Model 2322 79xxxxxx.

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: 2017-11-17 Original Issue Date: 2017-06-21

Signature: