

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

CB TEST CERTIFICATE

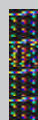
Product	SWITCHING POWER SUPPLY
Name and address of the applicant	DELTA ELECTRONICS INC 3 TUNGYUAN ROAD CHUNGLI INDUSTRIAL ZONE TAOYUAN CITY 32063 TAIWAN
Name and address of the manufacturer	DELTA ELECTRONICS INC 3 TUNGYUAN ROAD CHUNGLI INDUSTRIAL ZONE TAOYUAN CITY 32063 TAIWAN
Name and address of the 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.	DRL-24V120W1X1X2X3X4, DRL-48V120W1X1X2X3X4, TIPS-120W24V1MA, TIPS-120W48V1MA See Page 2
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	E131881-4789357907-1 Reissue issued on 2020-02-27

This CB Test Certificate is issued by the National Certification Body



Date: 2020-03-02

Signature:

Jan-Erik Storgaard

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

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



Ref. Certif. No.

DK-93769-UL

Model Details:

DRL-24V120W1X1X2X3X4, DRL-48V120W1X1X2X3X4 (X1 stands for A, B or C; X2 stands for N, R, A or S; X3, X4 stands for alphanumeric character or blank)

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:

For Model TIPS-120W24V1MA, DRL-24V120W1X1X2X3X4:

Input: 100-240Vac, 2.5A, 50-60Hz

Output: 24Vdc, 5A

For Model TIPS-120W48V1MA and DRL-48V120W1X1X2X3X4:

Input: 100-240Vac, 2.5A, 50-60Hz

Output: 48Vdc, 2.5A

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/nclnames

Date: 2020-03-02

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-127400-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 <input checked="" type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	For Model TIPS-120W24V1MA, DRL-24V120W1X1X2X3X4: Input: 100-240Vac, 2.5A, 50-60Hz Output: 24Vdc, 5A <input checked="" type="checkbox"/> Additional Information on page 2
Trademark (if any)	 DELTA ELECTRONICS, INC.
Customer's Testing Facility (CTF) Stage used	CTF Stage 1
Model / Type Ref.	TIPS-120W24V1MA, TIPS-120W48V1MA, DRL-48V120W1X1X2X3X4, DRL-24V120W1X1X2X3X4 <input checked="" 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 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-A6750-CB-1 issued on 2022-05-11

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/nbcnames

Date: 2022-05-11

Signature: 
Jan-Erik Storgaard



Ref. Certif. No.

DK-127400-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 Province, 215200
China

Delta Electronics (Wuhu) Ltd
No. 138 Jiuhua North Road LongShan Street Economic-technical Development Area Wuhu City, Anhui Province, 241008
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 No1 Industrial Park
Kurubarapalli Village Krishnagiri Dist, Tamil Nadu 635115
INDIA

Additional Model Detail(s):

DRL-24V120W1X1X2X3X4, DRL-48V120W1X1X2X3X4, (X1 stands for A, B or C: X2 stands for N, R, A or S: X3, X4 stands for alphanumeric character or blank). See model differences for "X1X2X3X4" explanation.

Additional Ratings:

For Model TIPS-120W48V1MA and DRL-48V120W1X1X2X3X4:
Input: 100-240Vac, 2.5A, 50-60Hz
Output: 48Vdc, 2.5A

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: 2022-05-11

Signature: 
Jan-Erik Storgaard

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

SWITCHING POWER SUPPLY

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 ELECTRONICS (JIANGSU) LTD.
NO 1688 JIANGXING EAST RD
WUJIANG ECONOMIC DEVELOPMENT ZONE
WUJIANG CITY, 215200 JIANGSU PROVINCE China

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

Additional Information on page 2
See Page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

Delta Electronics Inc.

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

DRL-24V120W1X1X2, DRL-48V120W1X1X2, TIPS-
120W24V1MA, TIPS-120W48V1MA
See Page 2

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^{ème} page

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

Additional Information on page 2
IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1, IEC 60950-
1(ed.2);am2

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

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

E131881-A1919-CB-1 issued on 2015-10-26, E131881-A1919-
CB-1 issued on 2015-10-23

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: 2015-10-23
Original Issue Date: 2015-10-01

Signature:

Jan-Erik Storgaard



Model Details:

DRL-24V120W1X1X2, DRL-48V120W1X1X2 (Where X1 can be any alphanumeric character or blank; X2=N, R, A, S, for marketing purpose only and no impact to safety related critical components and constructions)

Factories:

DELTA ELECTRONICS (THAILAND) PUBLIC CO LTD
909 SOI 9, MOO 4, PATTANA 1RD
BANGPOO INDUSTRIAL ESTATE (E P Z)
TAMBOL PHRAKSA AMPHUR MUANG
SAMUTPRAKARN, 10280 Thailand

DELTA ELECTRONICS POWER (DONGGUAN) CO LTD
DELTA INDUSTRIAL ESTATE
SHIJIE TOWN
DONGGUAN, 523308 GUANGDONG China

Additional Information:

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

- 1) Changed model names
- 2) Alternated CY1, CY2, CY3 second sources, Walsin Technology Corp., Type AH.
- 3) Corrected to remove double square symbol in all labels.
- 4) Corrected to change clause 1.7.1.2, Symbol for Class II equipment only from "Pass" to "N/A".
- 5) Corrected to remove "CY1=CX2" from table 1.5.1 item 09.

Ratings:

Input:

100-240Vac, 2.5A, 50-60Hz

Output:

(1) 24Vdc, 5A (for DRL-24V120W1X1X2, TIPS-120W24V1MA)

or

(2) 48Vdc, 2.5A (for DRL-48V120W1X1X2, TIPS-120W48V1MA)

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: 2015-10-23

Original Issue Date: 2015-10-01

Signature:

Jan-Erik Storgaard