

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 (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  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2eme page*

Additional Information on page 2  
See Page 2-3

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Trademark (if any)  
Marque de fabrique (si elle existe)

DELTA ELECTRONICS, INC.



Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais constructeur

CTF Stage 2

Model / Type Ref.  
Ref. De type

See Page 2

Additional information (if necessary may also be reported on page 2)  
Les informations complémentaires (si nécessaire,, peuvent être indiqués sur la 2eme page

National Differences specified in the CB Test Report.  
 Additional Information on page 3

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

IEC 60601-1(ed.2), IEC 60601-1(ed.2);am1, IEC 60601-1(ed.2);am2

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

E356265-A21-CB-2 issued on 2016-06-24

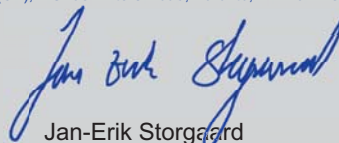
This CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- UL (US), 333 Pflugsten 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: 2016-06-24  
Original Issue Date: 2015-12-30

Signature:



Jan-Erik Storgaard

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)



Ref. Certif. No.

**DK-50941-A1-UL**

## Model Details:

MDS-300APB24 XX, MDS-300ABB24 XX, MDS-300ADB24 XX, MDS-300APB12 XX, MDS-300APB48 XX,  
MDS-250APB12 XX, MDS-250ADB12 XX, MDS-250APB24 XX, MDS-250ADB24 XX, MDS-300APB18 XX,  
MDS-300ADB12 XX, MDS-300ADB18 XX, MDS-300ADB48 XX (X=0-9, A-Z or Blank).

## 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:

## Input rating:

100-240Vac, 50-60Hz, 4A

## Output rating:

MDS-300APB24 XX

V1: 24Vdc, 12.5A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 24Vdc, 10A

V2: 5Vsb, 0.5A

Total power 240W max convection air

MDS-300ABB24 XX

V1: 24Vdc, 12.5A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 24Vdc, 8.33A

V2: 5Vsb, 0.5A

Total power 200W max convection air

MDS-300ADB24 XX

V1: 24Vdc, 12.5A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 24Vdc, 8.75A

V2: 5Vsb, 0.5A

Total power 210W max convection air

For MDS-300APB12 XX

12V dc/25 A max., 5V sb/0.5 A max.

Total power 300W max. with 10 CFM force air

12 V dc/18.33 A max., 5 V sb/0.5 A max.

Total power 220W max. by natural convection air

For MDS-300APB48 XX

48V dc/ 6.25 A max., 5V sb/0.5 A max.

Total power 300W max. with 10 CFM force air

12 V dc/ 5.0A max., 5 V sb/0.5 A max.

Total power 240W max. by natural convection air

For MDS-250APB12 XX

12V dc/20.83 A max., 5V sb/0.5 A max.

Total power 250W max. with 10 CFM force air

12 V dc/12.5 A max., 5 V sb/0.5 A max.

Total power 150W max. by natural convection air

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

Date: 2016-06-24

Original Issue Date: 2015-12-30

Signature:

Jan-Erik Storgaard

## Ratings:

For MDS-250ADB12 XX  
12V dc/20.83 A max., 5V sb/0.5 A max.  
Total power 250W max. with 10 CFM force air  
12 V dc/11.25 A max., 5 V sb/0.5 A max.  
Total power 135W max. by natural convection air

For MDS-250APB24 XX  
V1: 24Vdc, 10.41A  
V2: 5Vsb, 0.5A  
Total power 250W max with 10CFM force air  
V1: 24Vdc, 6.15A  
V2: 5Vsb, 0.5A  
Total power 150W max by convection air

For MDS-250ADB24 XX  
V1: 24Vdc, 10.41A  
V2: 5Vsb, 0.5A  
Total power 250W max with 10CFM force air  
V1: 24Vdc, 5.53A  
V2: 5Vsb, 0.5A  
Total power 135W max by convection air

For MDS-300APB18 XX  
18V dc/16.66 A max., 5V sb/0.5 A max.  
Total power 300W max. with 10 CFM force air  
18 V dc/12.22 A max., 5 V sb/0.5 A max.  
Total power 220W max. by natural convection air

For MDS-300ADB12 XX  
V1: 12Vdc, 25A  
V2: 5Vsb, 0.5A  
Total power 300W max with 10CFM force air  
V1: 12Vdc, 15.83A  
V2: 5Vsb, 0.5A  
Total power 190W max convection air

For MDS-300ADB18 XX  
V1: 18Vdc, 16.66A  
V2: 5Vsb, 0.5A  
Total power 300W max with 10CFM force air  
V1: 18Vdc, 10.56A  
V2: 5Vsb, 0.5A  
Total power 190W max convection air

For MDS-300ADB48 XX  
V1: 48Vdc, 6.25A  
V2: 5Vsb, 0.5A  
Total power 300W max with 10CFM force air  
V1: 48Vdc, 4.38A  
V2: 5Vsb, 0.5A  
Total power 210W max convection air

## Additional Information:

The original report was modified to include the following changes/additions:  
Add models MDS -300ADB12 XX, MDS -300ADB18 XX, MDS -300ADB48.

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

Date: 2016-06-24

Original Issue Date: 2015-12-30

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 (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  
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Additional Information on page 2  
See Page 2-3

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

DELTA  
CTF Stage 2

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

See Page 2

Model / Type Ref.  
Ref. De type

Additional Information on page 3

Additional information (if necessary may also be  
reported on page 2)  
Les informations complémentaires (si nécessaire,,  
peuvent être indiqués sur la 2<sup>ème</sup> page

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

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  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce Certificat

E356265-D1000-0/A2/C0-CB issued on 2016-06-21

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

Date: 2016-06-23  
Original Issue Date: 2015-08-21

Signature:

Jan-Erik Storgaard

## Model Details:

MDS-300APB24 XX, MDS-300ABB24 XX, MDS-300ADB24 XX, MDS-300APB12 XX, MDS-300APB48 XX,  
MDS-250APB12 XX, MDS-250ADB12 XX, MDS-250APB24 XX, MDS-250ADB24 XX, MDS-300APB18 XX,  
MDS-300ADB12 XX, MDS-300ADB18 XX, MDS-300ADB48 XX (X=0-9, A-Z or Blank)

## 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:

Input rating: 100-240Vac, 50-60Hz, 4A

Output rating:

For MDS-300APB24 XX

V1: 24Vdc, 12.5A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 24Vdc, 10A

V2: 5Vsb, 0.5A

Total power 240W max convection air

For MDS-300ABB24 XX

V1: 24Vdc, 12.5A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 24Vdc, 8.33A

V2: 5Vsb, 0.5A

Total power 200W max convection air

For MDS-300ADB24 XX

V1: 24Vdc, 12.5A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 24Vdc, 8.75A

V2: 5Vsb, 0.5A

Total power 210W max convection air

For MDS-300APB12 XX

12V dc/25 A max., 5V sb/0.5 A max.

Total power 300W max. with 10 CFM force air

12 V dc/18.33 A max., 5 V sb/0.5 A max.

Total power 220W max. by natural convection air

For MDS-300APB48 XX

48V dc/ 6.25 A max., 5V sb/0.5 A max.

Total power 300W max. with 10 CFM force air

12 V dc/ 5.0A max., 5 V sb/0.5 A max.

Total power 240W max. by natural convection air

For MDS-250APB12 XX

12V dc/20.83 A max., 5V sb/0.5 A max.

Total power 250W max. with 10 CFM force air

12 V dc/12.5 A max., 5 V sb/0.5 A max.

Total power 150W max. by natural convection air

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

Date: 2016-06-23

Original Issue Date: 2015-08-21

Signature:

Jan-Erik Storgaard

## Ratings:

For MDS-250ADB12 XX

12V dc/20.83 A max., 5V sb/0.5 A max.

Total power 250W max. with 10 CFM force air

12 V dc/11.25 A max., 5 V sb/0.5 A max.

Total power 135W max. by natural convection air

For MDS-250APB24 XX

V1: 24Vdc, 10.41A

V2: 5Vsb, 0.5A

Total power 250W max with 10CFM force air

V1: 24Vdc, 6.15A

V2: 5Vsb, 0.5A

Total power 150W max by convection air

For MDS-250ADB24 XX

V1: 24Vdc, 10.41A

V2: 5Vsb, 0.5A

Total power 250W max with 10CFM force air

V1: 24Vdc, 5.53A

V2: 5Vsb, 0.5A

Total power 135W max by convection air

For MDS-300APB18 XX

18V dc/16.66 A max., 5V sb/0.5 A max.

Total power 300W max. with 10 CFM force air

18 V dc/12.22 A max., 5 V sb/0.5 A max.

Total power 220W max. by natural convection air

For MDS-300ADB12 XX

V1: 12Vdc, 25A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 12Vdc, 15.83A

V2: 5Vsb, 0.5A

Total power 190W max convection air

For MDS-300ADB18 XX

V1: 18Vdc, 16.66A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 18Vdc, 10.56A

V2: 5Vsb, 0.5A

Total power 190W max convection air

For MDS-300ADB48 XX

V1: 48Vdc, 6.25A

V2: 5Vsb, 0.5A

Total power 300W max with 10CFM force air

V1: 48Vdc, 4.38A

V2: 5Vsb, 0.5A

Total power 210W max convection air

## 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:

Add Models MDS -300ADB12 XX, MDS -300ADB18 XX, MDS -300ADB48 XX.

**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, CANADAFor full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2016-06-23

Original Issue Date: 2015-08-21

Signature:



Jan-Erik Storgaard



Ref. Certif. No.

**DK-50448-A1-UL**

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 (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  
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Additional Information on page 2  
See Pages 2-3

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

DELTA ELECTRONICS, INC.  
CTF Stage 1

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

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<sup>ème</sup> 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

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

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1, IEC 60950-1(ed.2);am2

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-A1866-CB-2 issued on 2016-06-08

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

Date: 2016-06-08  
Original Issue Date: 2015-12-09

Signature:

Jan-Erik Storgaard

For full legal entity names see [www.ul.com/nbcnames](http://www.ul.com/nbcnames)



Ref. Certif. No.

**DK-50448-A1-UL**

**Models:**

- (1) MDS-300APB24 XX, MDS-300ABB24 XX, MDS-300ADB24 XX (X=0-9, A-Z or blank)
- (2) MDS-300APB12 XX (X=0-9, A-Z or blank)
- (3) MDS-300APB48 XX (X=0-9, A-Z or blank)
- (4) MDS-250APB12 XX (X=0-9, A-Z or blank)
- (5) MDS-250ADB12 XX (X=0-9, A-Z or blank)
- (6) MDS-250APB24 XX (X=0-9, A-Z or Blank)
- (7) MDS-250ADB24 XX (X=0-9, A-Z or Blank)
- (8) MDS-300APB18 XX (X=0-9, A-Z or Blank)
- (9) MDS-300ADB12 XX (X=0-9, A-Z or Blank)
- (10) MDS-300ADB18 XX (X=0-9, A-Z or Blank)
- (11) MDS-300ADB48 XX (X=0-9, A-Z or blank)

**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

**Additional Information:**

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

- 1. Add new models
- 2. Critical components list modified

**Ratings:**

- (1) Input: 100-240V~, 4A, 50-60Hz.  
DC Output: 24V/12.5A Max; 5Vsb/0.5A  
300W Max
- (2) Input: 100-240V~, 4A, 50-60Hz.  
DC Output: 12V/25A Max; 5Vsb/0.5A  
300W Max
- (3) Input: 100-240V~, 4A, 50-60Hz.  
DC Output: 48V/6.25A Max; 5Vsb/0.5A  
300W Max
- (4) Input: 100-240V~, 4A, 50-60Hz.  
DC Output: 12V/20.83A Max, 5Vsb/0.5A  
250W Max
- (5) Input: 100-240V~, 4A, 50-60Hz.  
DC Output: 12V/20.83A Max, 5Vsb/0.5A  
250W Max
- (6) Input: 100-240Vac, 4A, 50-60Hz  
Output: 24Vdc/10.41 A Max, 5Vsb/0.5A  
250W Max
- (7) Input: 100-240Vac, 4.0A, 50-60Hz  
Output: 24Vdc/10.41 A Max, 5Vsb/0.5A  
250W Max

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

Date: 2016-06-08  
 Original Issue Date: 2015-12-09

Signature:   
 Jan-Erik Storgaard





Ref. Certif. No.

**DK-50448-A1-UL**

(8) Input: 100-240Vac, 4A, 50-60Hz  
Output: 18Vdc/16.66A Max; 5Vsb/0.5A  
300W Max

(9) Input: 100-240V~, 4A, 50-60Hz.  
DC Output:  
V1: 12V, 25A.  
V2: 5Vsb, 0.5A.  
Total power 300W max with 10CFM force air  
V1: 12V, 15.83A.  
V2: 5Vsb, 0.5A.  
Total power 190W max convection air

(10) Input: 100-240V~, 4A, 50-60Hz.  
DC Output:  
V1: 18V, 16.66A  
V2: 5Vsb, 0.5A  
Total power 300W max with 10CFM force air  
V1: 18V, 10.56A  
V2: 5Vsb, 0.5A  
Total power 190W max convection air

(11) Input: 100-240V~, 4A, 50-60Hz.  
DC Output:  
V1: 48V, 6.25A  
V2: 5Vsb, 0.5A  
Total power 300W max with 10CFM force air  
V1: 48V, 4.38A  
V2: 5Vsb, 0.5A  
Total power 210W max convection air

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

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Signature:

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