

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

TDK-LAMBDA CORP  
NAGAOKA TECHNICAL CENTER R&D DIV  
2704-1 SETTAYA-MACHI NAGAOKA-SHI  
NIIGATA 940-1195 JAPAN

Name and address of the manufacturer  
Nom et adresse du fabricant

TDK-LAMBDA CORP  
NAGAOKA TECHNICAL CENTER R&D DIV  
2704-1 SETTAYA-MACHI NAGAOKA-SHI  
NIIGATA 940-1195 JAPAN

Name and address of the factory  
Nom et adresse de l'usine

TDK-LAMBDA CORP  
2704-1 SETTAYA-MACHI  
NAGAOKA-SHI  
NIIGATA 940-1195 JAPAN

Note: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>eme</sup> page

Additional Information on page 2  
See Page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

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



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

CTF Stage 1

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 2<sup>eme</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

4786910622-1 issued on 2015-08-03

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: 2015-08-11

Signature:

Yoshihiro Yamamoto

## Model Details:

HWS300-xyz, HWS300P-bxyz, HWS300-24/OR

Suffixes: a = 3, 5, 12, 15, 24, or 48, b = 24, 36 or 48, x = / or blank, y = PV or blank, z = CO, CO2, HD or blank

## Factories:

TDK-LAMBDA MALAYSIA SDN BHD

PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI MALAYSIA

TDK-LAMBDA MALAYSIA SDN BHD

LOT 2 &amp; 3, BATU 9 3/4 KAWASAN PERINDUSTRIAN BANDAR BARU JAYA GADING 26070 KUANTAN MALAYSIA

ALPS LOGISTICS FACILITIES CO LTD

593-1 NISHIOHASHI TSUKUBA-SHI IBARAKI-KEN 305-0831 JAPAN

Wuxi TDK-Lambda Electronics Co Ltd

NO 6 XING CHUANG ER LU WUXI JIANGSU 214028 CHINA

SENDAN ELECTRONICS MFG CO LTD

1010 HABUSHIN NANTO-SHI TOYAMA-KEN 939-1756 JAPAN

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD

TONGXIN RD ZHAOFENG ECONOMIC DEVELOPMENT ZONE LEYU TOWN

ZHANGJIAGANG JIANGSU 215622 CHINA

## Ratings:

## Input:

AC 100-240 V, 50/60 Hz,

4.1 A for models HWS300-xyz, HWS300-24/OR

4.4 A for models HWS300P-bxyz

## Output:

HWS300-3xyz

DC 3.3V (DC 2.64-3.96V), 60A (max. 198 W)

HWS300-5xyz

DC 5V (DC 4.0-6.0V), 60A (max. 300 W)

HWS300-12xyz

DC 12V (DC 9.6-14.4V), 27A (max. 324 W)

HWS300-15xyz

DC 15V (DC 12.0-18.0V), 22A (max. 330 W)

HWS300-24xyz, HWS300-24/OR

DC 24V (DC 19.2-28.8V), 14A (max. 336 W)

HWS300-48xyz

DC 48V (DC 38.4-52.8V), 7A (max. 336 W)

HWS300P-24xyz

DC 24V (DC 19.2-28.8V), 12.5A (max.300 W)

also following peak output applied:

peak current 21A (max. 504W) for AC 100-170V input,

peak current 42A (max.1008W) for AC 170-240V input, max. 5 sec., Max. duty 35%

HWS300P-36xyz

DC 36V (DC 28.8-39.6V), 8.4A (max. 302.4 W)

also following peak output applied:

peak current 14A (max. 504W) for AC 100-170V input,

peak current 28A (max.1008W) for AC 170-240V input, max. 5 sec., Max. duty 35%

HWS300P-48xyz

DC 48V (DC 38.4-52.8V), 6.3A (max. 302.4W)

also following peak output applied:

peak current 10.5A (max. 504W) for AC 100-170V input,

peak current 21A (max.1008 W) for AC 170-240V input, max. 5 sec., Max. duty 35%

**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

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