

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 a plus d'une usine, veuillez utiliser la 2<sup>eme</sup> page

Additional Information on page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

See Page 2 and 3

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



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

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

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 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

3229510 issued on 2016-09-09

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: 2016-09-14  
Original Issue Date: 2015-08-11

Signature:

Akira Kato

## Model Details:

HWS600-ade fg  
HWS600-42/DS  
HWS600-48/PVLNF  
HWS600P-bdefg  
HWS600PCN-cdefg

## Suffixes,

a = 3, 5, 12, 15, 24, 48 or 55.  
b = 24, 36 or 48  
c = 24 or 30  
d = / or blank.  
e = PV or blank  
f = CO, HD or blank  
g = LLF or blank

## Factories:

TDK-LAMBDA MALAYSIA SDN BHD  
PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI  
MALAYSIA

TDK-LAMBDA MALAYSIA SDN BHD  
LOT 2 & 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,  
8.2 A for models HWS600- ade fg, HWS600-42/DS, HWS600-48/PVLNF  
8.7 A for models HWS600P- bdefg, HWS600PCN- cdefg

## Output:

HWS600-3defg DC 3.3V (DC 2.64-3.96V), 120 A (max. 396 W)  
HWS600-5defg DC 5V (DC 4.0-6.0V), 120 A (max. 600 W)  
HWS600-12defg DC 12V (DC 9.6-14.4V), 53A (max. 636 W)  
HWS600-15defg DC 15V (DC 12.0-18.0V), 43A (max. 645 W)  
HWS600-24defg DC 24V (DC 19.2-28.8V), 27A (max. 648 W)  
HWS600-48defg DC 48V (DC 38.4-52.8V), 13A (max. 624 W)  
HWS600-55defg DC 55V (DC 44.0-56.0V), 11A (max. 605 W)  
HWS600-42/DS DC 42V (DC 38.4 – 46.2V), 13A (max. 646 W)  
HWS600-48/PVLNF DC 48V (DC 9.6-52.8V), 13A (max. 624W)

**Additional information (if necessary)****Information complémentaire (si nécessaire)**

- UL (US), 333 Pflingsten Rd IL 60062, Northbrook, USA
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- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
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Akira Kato

HWS600P-24  
HWS600PCN-24 DC 24V (DC 19.2-28.8V), 25A (max. 600 W)  
also following peak output applied:  
peak current 40.5A (max. 972W) for AC 100-170V input,  
peak current 83A (max.1992W) for AC 170-240V input,  
max. 5 sec., Max. duty 35%

HWS600PCN-30 DC 30V (DC 24.0-36.0V), 20A (max. 600 W)  
also following peak output applied:  
peak current 24.24A (max. 800W) for AC 100-170V input,  
peak current 66A (max.1980W) for AC 170-240V input,  
max. 5 sec., Max. duty 35%

HWS600P-36 DC 36V (DC 28.8-39.6V), 16.7A (max. 601.2 W)  
also following peak output applied:  
peak current 27A (max. 972W) for AC 100-170V input,  
peak current 55.5A (max.1998W) for AC 170-240V input,  
max. 5 sec., Max. duty 35%

HWS600P-48 DC 48V (DC 38.4-52.8V), 12.5A (max. 600 W)  
also following peak output applied:  
peak current 20A (max. 960W) for AC 100-170V input,  
peak current 41.5A (max.1992W) for AC 170-240V input,  
max. 5 sec., Max. duty 35%

**Additional Information:**

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

- Correction of suffix g

[From] LFF

[To] LLF

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 (if necessary)**

**Information complémentaire (si nécessaire)**



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