

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  
〒940-1195 日本  
〒940-1195 日本

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

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Additional Information on page 2  
See Page 2

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

**TDK·Lambda** or **TDK·Lambda**

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

Model / Type Ref.  
Ref. De type

U^A^æ^G  
A

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.

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

Additional Information on page 2  
IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1,  
U^A^æ^G(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

4786910628-3 issued on 2015-11-04

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 Ppingsten 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: 2015-11-06

Signature:

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

Akira Kato



Ref. Certif. No.

**JP-12880-UL**

**Model Details:**

HWS50-a/xyz

a = 3, 5, 12, 15, 24 or 48.

x = R or blank.

y = A, B, C or blank.

z = CO, HD, HDA or blank

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**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:**

HWS50-a/xyz AC 100-240 V, 50/60 Hz,

0.6 A for models HWS50-3/xyz,

0.8 A for other models

**Output:**

HWS50-3/xyz DC 3.3V (DC 2.97-3.96V), 10 A (max. 33 W)

HWS50-5/xyz DC 5V (DC 4.0-6.0V), 10 A (max. 50 W)

HWS50-12/xyz DC 12V (DC 9.6-14.4V), 4.3 A (max. 51.6 W)

HWS50-15/xyz DC 15V (DC 12.0-18.0V), 3.5 A (max. 52.5 W)

HWS50-24/xyz DC 24V (DC 19.2-28.8V), 2.2 A (max. 52.8 W)

HWS50-48/xyz DC 48V (DC 38.4-52.8V), 1.1 A (max. 52.8 W)

**Additional information (if necessary)**

**Information complémentaire (si nécessaire)**



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