

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 MALAYSIA SDN BHD
PLO33 KAWASAN PERINDUSTRIAN SENAI
81400 SENAI MALAYSIA

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

Additional Information on page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

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

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^{eme} 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

4786910628-4 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 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: 2015-11-06

Signature:

Akira Kato



Model Details:

HWS100-a/xyz, HWS80-a/xyz, HWS100-24/CQC

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

x = R, B or blank.

y = A or blank.

z = CO, HD, HDA or blank (for HWS100-a/xyz)

z = CO or blank (for HWS80-a/xyz)

Factories:

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

TDK-LAMBDA CORP

2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195 JAPAN

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD

TONGXIN RD ZHAOFENG ECONOMIC DEVELOPMENT ZONE LEYU TOWN ZHANGJIAGANG JIANGSU 215622 CHINA

Ratings:

Input:

HWS100-a/xyz, HWS100-24/CQC

AC 100-240 V, 50/60 Hz,

1.0A for models HWS100-3/xyz, 1.4 A for other models

HWS80-a/xyz

AC 100-240 V, 50/60 Hz,

0.8A for models HWS80-3/xyz, 1.1 A for other models

Output:

HWS100-3/xyz DC 3.3V (DC 2.97-3.96V), 20 A (max. 66 W)

HWS100-5/xyz DC 5V (DC 4.0-6.0V), 20 A (max. 100 W)

HWS100-12/xyz DC 12V (DC 9.6-14.4V), 8.5A (max. 102 W)

HWS100-15/xyz DC 15V (DC 12.0-18.0V), 7A (max. 105 W)

HWS100-24/xyz DC 24V (DC 19.2-28.8V), 4.5A (max. 108 W)

HWS100-48/xyz DC 48V (DC 38.4-52.8V), 2.1A (max. 108 W)

HWS80-3/xyz DC 3.3V (DC 2.97-3.96V), 16 A (max. 52.8 W)

HWS80-5/xyz DC 5V (DC 4.0-6.0V), 16 A (max. 80 W)

HWS80-12/xyz DC 12V (DC 9.6-14.4V), 6.7A (max. 80.4 W)

HWS80-15/xyz DC 15V (DC 12.0-18.0V), 5.4A (max. 81 W)

HWS80-24/xyz DC 24V (DC 19.2-28.8V), 3.4A (max. 81.6 W)

HWS80-48/xyz DC 48V (DC 38.4-52.8V), 1.7A (max. 81.6 W)

HWS100-24/CQC DC 24V (DC 19.2-28.8V), 4.5A (max. 108 W)

Additional information (if necessary)

Information complémentaire (si nécessaire)



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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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