

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

Medical Grade 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-KEN 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^{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

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

Model / Type Ref.
Ref. De type

HWS600-xx/ME(SC)
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

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 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

E309264-D1008-1/A1/C0-CB issued on 2016-04-01

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: 2016-04-15
Original Issue Date: 2015-07-27

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-25652-A1-UL

Model Details:

HWS600-xx/ME(SC) Where xx represents the output voltage rating and can be one of the following: 5, 12, 15, 24, 48. SC is an optional suffix for the HWS600-24/ME only.

Factories:

WUXI TDK-LAMBDA ELECTRONICS CO LTD
NO. 6, XING CHUANG ER LU,
WUXI JIANGSU 214028, P.R
CHINA

TDK-LAMBDA MALAYSIA SDN. BHD
PLO33 KAWASAN PERINDUSTRIAN,
SENAI 81400, SENAI, JOHOR,
MALAYSIA

TDK-LAMBDA MALAYSIA SDN BHD
LOT 2 & 3, BATU 9 3/4
KAWASAN PERINDUSTRIAN
BANDAR BARU JAYA GADING
26070 KUANTAN
MALAYSIA

SENDAN ELECTRONICS MFG CO LTD
1010 HABUSHIN
NANTO-SHI TOYAMA-KEN 939-1756
JAPAN

Ratings:

HWS600-xx/ME(SC): Class I, No Patient Applied Parts
Input: 100 - 240 Vac, 50 / 60 Hz, 9.0 A

HWS600-5/ME: Output: 5 Vdc (4 - 6 Vdc), 120 Adc
HWS600-12/ME: Output: 12 Vdc (9.6 - 14.4 Vdc), 53 Adc
HWS600-15/ME: Output: 15 Vdc (12 - 18 Vdc), 43 Adc
HWS600-24/ME(SC): Output: 24 Vdc (19.2 - 28.8 Vdc), 27 Adc
HWS600-48/ME: Output: 48 Vdc (38.4 - 52.8 Vdc), 13 Adc

Additional Information:

Additionally evaluated to EN 60601-1:2006/A11:2011/A1:2013/ A12:2014; National Differences specified in the CB Test Report. Risk management was not included in this investigation.

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

1. Addition of alternate Inductors (L1, L2), TDK-Lambda Corp., A21004* (* is any letter A - Z or blank)
2. Deletion of alternate Capacitors (C3, C4, C10, C11, C14, C15, C33), Panasonic Corp., Type NS-A
3. Change of address of factory, SENDAN ELECTRONICS MFG CO LTD.
4. Change of address of factory, WUXI TDK-LAMBDA ELECTRONICS CO LTD.

Additional information (if necessary)

Information complémentaire (si nécessaire)



UL (US), 333 Pflingsten 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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