

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

Built in 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, 940-1195 NIIGATA 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, 940-1195 NIIGATA Japan

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

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

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

HWS1000L-X /YYYYYYYY, SWS1000L-X /YYYYYYYY  
See Page 2

Model / Type Ref.  
Ref. De type

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

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-D1011-1-CB issued on 2015-07-02

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: 2015-07-13

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

**US-25554-UL**

**Model Details:**

HWS1000L-X /YYYYYYY, SWS1000L-X /YYYYYYY where X can be 3, 5, 12, 15, 24, 36, 48, or 60; and /YYYYYYY can be /RF, /RFHC, /RFCO2, /HC, /HCCO2, /CO2, /RFHCCO2, /LLF, /LLFCO2, /BATz ( z = blank or 3 digit max which consist of 0 to 9 and/or A to Z ) or blank.

**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 NISHI-OHASHI TSUKUBA-SHI IBARAKI-KEN 305-0831  
JAPAN

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

**Ratings:**

Input: 100-240 VAC, 50/60 Hz, 13 A

**Outputs:**

- HWS1000L-3, SWS1000L-3; 3.3 Vdc, 200 A
- HWS1000L-5, SWS1000L-5; 5 Vdc, max. 200 A (4-6 Vdc, max. 200 A and 1000 W)
- HWS1000L-12, SWS1000L-12; 12 Vdc, max. 88 A (9.6-14.4 Vdc, max. 88 A and 1056 W)
- HWS1000L-15, SWS1000L-15; 15 Vdc, max. 70 A (12-19.5 Vdc, max. 70 A and 1050 W)
- HWS1000L-24, SWS1000L-24; 24 Vdc, max. 44 A (19.2-28.8 Vdc, max. 44 A and 1056 W)
- HWS1000L-36, SWS1000L-36; 36 Vdc, max. 29 A (28.8-43.2 Vdc, max. 29 A and 1044 W)
- HWS1000L-48, SWS1000L-48; 48 Vdc, max. 22 A (38.4-56 Vdc, max. 22 A and 1056 W)
- HWS1000L-60, SWS1000L-60; 60 Vdc, max. 17 A (48-66 Vdc, max. 17 A and 1020 W)

NOTE: Ratings in the parentheses are for reference only. These are not indicated on the device rating label.

**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.

**Additional information (if necessary)**

**Information complémentaire (si nécessaire)**



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- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
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