

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)  
CB SCHEME

## CB TEST CERTIFICATE

Product

Power Supply

Name and address of the applicant

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

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

TDK-Lambda (China) Electronics Co., Ltd.  
No.95, Zhujiang Rd, Xinwu District, Wuxi JiangSu  
China

Note: When more than one factory, please report on page 2

 Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark / Brand (if any)



Type of Customer's Testing Facility (CTF) Stage used

CTF Stage 1

Model / Type Ref.

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

Additional information (if necessary may also be reported on page 2)

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

IEC 60601-1:1988/AMD1:1991, IEC 60601-1:1988/AMD2:1995,  
IEC 60601-1:1988

As shown in the Test Report Ref. No. which forms part of this Certificate

E309264-D1048-1/A0/C0-CB issued on 2020-04-24

This CB Test Certificate is issued by the National Certification Body



- 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: 2020-05-12

Signature:

Jolanta M. Wroblewska



**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:**

ALPS LOGISTICS FACILITIES CO LTD  
593-1 NISHIOHASHI TSUKUBA-SHI IBARAKI-KEN 305-0831  
JAPAN

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

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

**Ratings:**

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

NOTE: Ratings in parentheses are for reference only. They are only included in the accompanying document and not on the device rating label.

**Outputs:**

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

**Additional information (if necessary)**



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