

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

## CB TEST CERTIFICATE

Product

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

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

Model / Type Ref.

HWS1000L-X /YYYYYYYY, SWS1000L-X /YYYYYYYY, where X  
can be 3, 5, 12, 15, 24, 36, 48, or 60. And, /YYYYYYYY can be /RF,  
/RFHC, /RFCO2, /HC, /HCCO2, /CO2, /RFHCCO2, /LLF,  
/LLFCO2, /LNF1 (only for X is 48) or blankHWS1000L-X /BATz, where X can be 36 or 60. And, z can be 3  
digit max which consist of 0 to 9 and/or A to Z or blankAdditional information (if necessary may also be  
reported on page 2)(Technical Modification)  
Additionally evaluated to EN 62368-1:2014/ A11:2017.  
National Differences specified in the CB Test Report. Additional Information on page 2A sample of the product was tested and found  
to be in conformity with

IEC 62368-1:2014

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

E122103-A6031-CB-1 issued on 2020-03-02

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: 2020-03-03

Signature:

Original Issue Date: 2019-02-12

Masamichi Takagi

## Factories:

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 PAHANG  
MALAYSIA

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

TDK-LAMBDA (CHINA) ELECTRONICS CO LTD  
NO.95,ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU 214028  
CHINA

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD  
NO.15 TONGXIN RD, ZHAOFENG ECONOMIC DEVELOPMENT ZONE, LEYU TOWN ZHANGJIAGANG JIANGSU  
215622  
CHINA

## Ratings:

## Input:

100-240 Vac, 13A, 50/60 Hz.

## Output:

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

## Additional Information:

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

- Change of factory as below:

(From)

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

(To)

TDK-LAMBDA (CHINA) ELECTRONICS CO LTD  
NO.95,ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU 214028 CHINA

- Addition of evaluation for Japan National Differences.

## Additional information (if necessary)



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

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