



Ref. Certif. No.

JP-25552-M1-UL

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

CB TEST CERTIFICATE

Product
Name and address of the applicant
Name and address of the manufacturer
Name and address of the factory
Note: When more than one factory, please report on page 2

Switching Power Supply
TDK-LAMBDA CORP
NAGAOKA TECHNICAL CENTER R&D DIV
2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
TDK-LAMBDA CORP
NAGAOKA TECHNICAL CENTER R&D DIV
2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
ALPS LOGISTICS FACILITIES CO LTD
593-1 NISHIOHASHI TSUKUBA-SHI IBARAKI-KEN 305-0831
JAPAN

Ratings and principal characteristics

Additional Information on page 2
100-240 Vac, 50-60 Hz,
0.8 A (for model HWS80A-3),
1.1 A (for all HWS80A series except for HWS80A-3),
1.0 A (for model HWS100A-3),
1.4 A (for all HWS100A series except for HWS100A-3)

Trademark (if any)



Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

See Page 2

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

The report was revised to include technical modifications.
Additionally evaluated to EN 62368-1:2014/ A11:2017.
National Differences specified in the CB Test Report.

A sample of the product was tested and found to be in conformity with

Additional Information on page 2

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

IEC 62368-1:2014

E122103-A6179-CB-1 issued on 2022-01-17

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

Date: 2022-01-19
Original Issue Date: 2021-10-20

Signature: Masamichi Takagi



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**JP-25552-M1-UL**

**Factory(ies):**

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

TDK-LAMBDA CORP  
2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195  
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 PAHANG  
MALAYSIA

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

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

**Model Detail(s):**

HWS80A-3(\*), HWS80A-5(\*), HWS80A-12(\*), HWS80A-15(\*), HWS80A-24(\*), HWS80A-48(\*)  
HWS100A-3(\*), HWS100A-5(\*), HWS100A-12(\*), HWS100A-15(\*), HWS100A-24(\*), HWS100A-48(\*)

(\*)-Maybe followed by suffix "abcdefg"

(a is "/" or blank, b is "HD" or blank, c is "R" or blank, d is "A", "B", "AB" or blank, e is "CO2" or blank, f is "FG" or blank, g is "DIN" or blank)

HWS100A-5/E(\*\*), HWS100A-12/E(\*\*), HWS100A-15/E(\*\*), HWS100A-24/E(\*\*), HWS100A-48/E(\*\*)

(\*\*)-Maybe followed by suffix "abcdefg"

(a is "H" or "V", b is "HD" or blank, c is "R" or blank, d is "A" or blank, e is "CO2" or blank, f is "FG" or blank, g is "DIN" or blank.)

**Summary of Modifications:**

- Addition of Adhesive for Chassis (Optional), Nisshinbo Chemical Inc., Type CARBODILITE C-02 in Table 4.1.2 due to applicant's request.

**Additional information (if necessary)**



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*M. Takagi*  
Masamichi Takagi