



Ref. Certif. No.

**JP-25600-M1-UL**

**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

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

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

[Additional Information on page 2](#)

Ratings and principal characteristics

Input:  
100-240 Vac, 50-60 Hz,  
0.5 A (for model HWS50A-3),  
0.7 A (for all models except for model HWS50A-3)

Trademark / Brand (if any)

**TDK-Lambda**

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 IEC 62368-1:2020/A11:2020.  
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 62368-1:2018

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

E122103-A6227-CB-1 issued on 2024-07-18

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (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: 2024-07-19

Original Issue Date: 2021-11-12

Signature:

Masamichi Takagi



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**JP-25600-M1-UL**

**Factory(ies):**

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):**

HWS50A-3(\*), HWS50A-5(\*), HWS50A-12(\*), HWS50A-15(\*), HWS50A-24(\*), HWS50A-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.)

HWS50A-5/E(\*\*), HWS50A-12/E(\*\*), HWS50A-15/E(\*\*), HWS50A-24/E(\*\*), HWS50A-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 Japan National Differences and China National Differences.
- Update of U.S.A. and CANADA National Differences.
- Deletion of Factory, ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD.
- Addition of Alternate X-Capacitor (C1, C4), TDK (Zhuhai FTZ) Co., Ltd., type B3292 and B3293, Xiamen Faratronic Co., Ltd., type MKP62 and Eurotronic (SuZhou) Co., Ltd., type MPX2.
- Addition of Alternate Y-Capacitors (C2, C3, C7), Murata Mfg Co., Ltd., type RA-Series and TDK Corporation, type CD series.
- Correction of type name of Alternate Varnish, from "TVB-2180T" to "TVB2180T" due to typo.
- Update of manufacturer name, model name, technical data, standard and/or Mark of conformity of some components of table 4.1.2.

**Additional information (if necessary)**



- UL Solutions (US), 333 Pflugsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
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Masamichi Takagi