



Ref. Certif. No.

JP-25632-M2-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

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 / Brand (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 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-A6226-CB-1 issued on 2023-07-11

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Denko), 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

Date: 2023-07-12

Signature:

Original Issue Date: 2021-11-19

Masamichi Takagi



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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 Alternate X-Capacitor (C1), TDK (Zhuhai FTZ) Co., Ltd., type B3293, B3292 and OKAYA ELECTRIC INDUSTRIES CO LTD, type LE*.
- Addition of Alternate Y-Capacitors (C2, C3, C8), Murata Mfg Co., Ltd., type RA-Series and Tdk Corporation, type CD series.
- Update of USA and Canada National Differences.
- Update of some information of table 4.1.2.
- Addition of alternate construction.

Additional information (if necessary)



- 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
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