



Ref. Certif. No.

JP-21732-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	TDK-LAMBDA CORP 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195 JAPAN <input checked="" type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Input: AC 100-240 V, 50/60 Hz, 15 A for model HWS1500-3 20 A for other models Output: See test report for details.
Trademark (if any)	
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	<input checked="" type="checkbox"/> Additional Information on 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 Difference specified in the CB Test Report. <input checked="" type="checkbox"/> Additional Information on page 2
A 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-A6037-CB-2 issued on 2021-06-09

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: 2021-06-10
Original Issue Date: 2020-05-12

Signature:
Masamichi Takagi



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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

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

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

Model Details:

HWS1500-xy, HWS1500-40/STA, HWS1500-48/SB1800, HWS1500-24/Ry, HWS1500-24/RyHD
x represents nominal output voltage value either 3, 5, 6, 7, 12, 15, 24, 36, 48, or 60.

y represents optional suffix a, b, c, d, and/or e denoting minor variations: where a is "/", b is "CO" or "HD",
c is "LNF"(for x=24, 36, 48) or "LNF3K" (for x=24), d is "RL" (for x=12, 15, 24, 36, 48), e is "DOV" (for x=24).

Summary of Modifications:

- Addition of Coating for Printed Wiring Board only for models with suffix "/CO" and suffix "/HD",
Dow Toray Co., Ltd., Type Pelgan Z.
- Addition of alternate Coating for Printed Wiring Board only for models with suffix "/CO" and suffix "/HD",
Dow Silicones Corp., Type 1-2577.
- Addition of alternate Coating for Printed Wiring Board only for models with suffix "/CO" and suffix "/HD",
Dow Silicones Corp., Type 1-2577 Low VOC.
- Addition of alternate Coating for Printed Wiring Board only for models with suffix "/CO" and suffix "/HD",
Momentive Performance Materials, Type ECC3010.
- Addition of alternate Coating for Printed Wiring Board only for models with suffix "/CO" and suffix "/HD",
Humiseal, Div Of Chase Corp, Type 1B59LU.
- Addition of alternate Coating for Printed Wiring Board only for models with suffix "/CO" and suffix "/HD",
Interchangeable, Type Interchangeable.
- Addition of alternate Inductor (L1), TDK-Lambda Corp., Type TF3525V-A232Y11R0-02.


Additional information (if necessary)



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