

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

CB TEST CERTIFICATE

Product

Medical Grade 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

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

TDK-LAMBDA MALAYSIA SDN BHD
LOT 2 & 3, BATU 9 3/4 KAWASAN PERINDUSTRIAN BANDAR
BARU JAYA GADING 26070 KUANTAN PAHANG
MALAYSIA 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.

HWS50A-xx/ME, HWS50A-xx/MEA, HWS50A-xx/MER,
HWS50A-xx/MERA
See Page 2

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

The report was revised to include administrative modifications.

 Additional Information on page 2

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

IEC 60601-1:2005/AMD1:2012, IEC 60601-1:2005

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

E309264-D1039-1/A1/C0-CB issued on 2020-03-17

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Denko), 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: 2020-03-23

Signature:

Original Issue Date: 2018-10-11

Jolanta M. Wroblewska



Model Details:

HWS50A-xx/ME, HWS50A-xx/MEA, HWS50A-xx/MER, HWS50A-xx/MERA
Where xx represents the output voltage rating, and can be one of the following: 5, 12, 15, 24, or 48.

Factories:

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

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

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

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

TDK-Lambda (China) Electronics Co., Ltd.
No.95, Zhujiang Rd, Xinwu District, Wuxi JiangSu
China

Ratings:

HWS50A-xx/ME, HWS50A-xx/MEA, HWS50A-xx/MER and HWS50A-xx/MERA:
Input: 100 - 240 Vac, 50 - 60 Hz, 0.7 A

- HWS50A-5/ME, HWS50A-5/MEA, HWS50A-5/MER and HWS50A-5/MERA:
Output: 5 Vdc, 10 A

- HWS50A-12/ME, HWS50A-12/MEA, HWS50A-12/MER and HWS50A-12/MERA:
Output: 12 Vdc, 4.3 A

- HWS50A-15/ME, HWS50A-15/MEA, HWS50A-15/MER and HWS50A-15/MERA:
Output: 15 Vdc, 3.5 A

- HWS50A-24/ME, HWS50A-24/MEA, HWS50A-24/MER and HWS50A-24/MERA:
Output: 24 Vdc, 2.2 A

- HWS50A-48/ME, HWS50A-48/MEA, HWS50A-48/MER and HWS50A-48/MERA:
Output: 48 Vdc, 1.1 A

Additional Information:

Additionally evaluated to EN 60601-1:2006/ A1:2013/ A12:2014. National Differences specified in the CB Test Report.

The original report was modified to include the following changes/additions:
To update factory locations. See Test Report.

The Risk Management requirements of the standard were not addressed.

Additional information (if necessary)



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