

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

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

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

 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.

HWS100A-xx/ME, HWS100A-xx/MEA, HWS100A-xx/MER,
HWS100A-xx/MERA
See Page 2

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

The report was revised to include technical 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-D1043-1/A1/C0-CB issued on 2020-07-20

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: 2020-07-27

Signature:

Original Issue Date: 2020-03-30

Jolanta M. Wroblewska

Model Details:

HWS100A-xx/ME, HWS100A-xx/MEA, HWS100A-xx/MER, HWS100A-xx/MERA; Where xx represents the output voltage rating, and can be one of the following: 5, 12, 15, 24, or 48.

Factories:

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

ALPS LOGISTICS FACILITIES CO LTD
593-1 NISHI-OHASHI TSUKUBA-SHI IBARAKI-KEN 305-0831
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
MALAYSIA

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

Ratings:

<Input>

HWS100A-xx/ME, HWS100A-xx/MEA, HWS100A-xx/MER, HWS100A-xx/MERA: 100 - 240 V ac, 50 - 60 Hz, 1.4 A

<Output>

- (1) HWS100A-5/ME, HWS100A-5/MEA, HWS100A-5/MER, WS100A-5/MERA: 5 Vdc, 20 A
- (2) HWS100A-12/ME, HWS100A-12/MEA, HWS100A-12/MER, HWS100A-12/MERA: 12 Vdc, 8.5 A
- (3) HWS100A-15/ME, HWS100A-15/MEA, HWS100A-15/MER, HWS100A-15/MERA: 15 Vdc, 7.0 A
- (4) HWS100A-24/ME, HWS100A-24/MEA, HWS100A-24/MER, HWS100A-24/MERA: 24 Vdc, 4.5 A
- (5) HWS100A-48/ME, HWS100A-48/MEA, HWS100A-48/MER, HWS100A-48/MERA: 48 Vdc, 2.1 A

Additional Information:

The original report was modified to include the following changes/additions:
Add alternate components, see test report.

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

The product has been evaluated with the exception of Risk Management assessment.

Additional information (if necessary)

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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

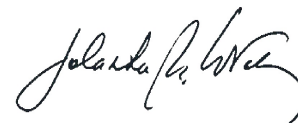
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