

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 MALAYSIA SDN BHD  
LOT 2 & 3, BATU 9 3/4 KAWASAN PERINDUSTRIAN BANDAR  
BARUJAYA GADING 26070 KUANTAN PAHANG  
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.

RWS1500B-12/ME, RWS1500B-15/ME, RWS1500B-24/ME,  
RWS1500B-36/ME, RWS1500B-48/ME, 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-D1028-2/A1/C0-CB issued on 2020-02-10

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](http://www.ul.com/ncbnames)

Date: 2020-02-19

Signature:

Original Issue Date: 2019-09-17

Jolanta M. Wroblewska

**Model Details:**

RWS1500B-12/ME, RWS1500B-15/ME, RWS1500B-24/ME, RWS1500B-36/ME, RWS1500B-48/ME, may be followed by suffix "abcd" (a is R, b is CO2, c is FO, d is RF; and "a", "b", "c" and "d" may be blank) (for details, see General Product Information)

CME1500A-12, CME1500A-15, CME1500A-24, CME1500A-36, CME1500A-48, CUS1500M-12, CUS1500M-15, CUS1500M-24, CUS1500M-36, CUS1500M-48, may be followed by suffix "vwxy" (v is /, w is CO2, x is RF, y is SF; and "v", "w", "x", "y" may be blank) (for details, see Test Report)

**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:**

Input: 100-240 Vac, 19.0 A, 50-60 Hz

**Output:**

- RWS1500B-12/ME, CME1500A-12, CUS1500M-12: 12 Vdc, 125 A
- RWS1500B-15/ME, CME1500A-15, CUS1500M-15: 15 Vdc, 100 A
- RWS1500B-24/ME, CME1500A-24, CUS1500M-24: 24 Vdc, 63 A
- RWS1500B-36/ME, CME1500A-36, CUS1500M-36: 36 Vdc, 42 A
- RWS1500B-48/ME, CME1500A-48, CUS1500M-48: 48 Vdc, 32 A
- AUX output for CME1500A, CUS1500M: 5 Vdc, 1 A

**Additional Information:**

Options "abcd" are defined as below.

- a: R (control on/off to output),
- b: CO2 (thin coating (QMJU2) on both sides of printed wiring board to prevent unintentional objectives from adhering),
- c: FO (remote sensing, parallel operation, low output voltage alarm),
- d: RF (DC fan with opposite direction and air flow, and different derating curve),

In addition, there is "RFO" combination "R" and "FO".

All the combinations using the options above are available except for "R"+"RFO" and "FO" + "RFO".

For "FO" and "RFO" only, transformer (T1) is used.

Options "vwxy" are defined as below.

- v: / (separate),
- w: CO2 (thin coating (QMJU2) on both sides of printed wiring board to prevent unintentional objectives from adhering),
- x: RF (DC fan with opposite direction and air flow, and different derating curve),
- y: SF (F4 is bypassed, and F1 only left)

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: Addition of a new factory and deletion of existing factory. See Test Report.

Risk Management was not included in this investigation.

**Additional information (if necessary)**

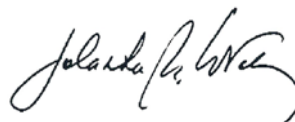


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