


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	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	100-240 Vac, 50-60 Hz, 19.0 A
Trademark (if any)	
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	See Page 2
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN 62368-1:2014/ A11:2017. National Differences 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-A6022-CB-1 issued on 2019-03-07

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pflugsten 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: 2019-03-08  
Original Issue Date: 2018-11-06

Signature:

Masamichi Takagi

**Model Details:**

RWS1500B-12, RWS1500B-15, RWS1500B-24, RWS1500B-36, RWS1500B-48  
 Maybe followed by suffix "abcde" (a is /, b is R or S, c is CO2, d is FO, e is RF and "a", "b", "c", "d" and "e" may be blank)  
 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)

**Factories:**

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD  
 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

WUXI TDK-LAMBDA ELECTRONICS CO LTD  
 NO 6 XING CHUANG ER LU WUXI JIANGSU 214028  
 CHINA

**Additional Information:**

(Technical Modification)

The original report was modified to include the following changes/additions:

- Addition of alternate Bleeder Resistors (R101, R102, R103, R104, R159, R160), KOA CORP. Type RK73H2BTDD1203F.
- Addition of alternate Diode Bridges (D1, D2), SHINDENGEN CORP., Type D25XB60.
- Addition of alternate Capacitors (C12, C13), NIPPON CHEMI-CON CORP., type ECST421VSN621MR50S.
- Addition of alternate FETs (Q5, Q6), ROHM SEMICONDUCTOR CORP., type R6047ENZ1C9.
- Correction of Insulation System of (T401) [for A27450x] form NLB5, Class B to NLF2, Class F.
- Correction of type name of Alternate Support Sheet located between PWB and Insulation sheet of Chassis, from FSL400BS to TIM-FSL400BS.
- Addition of "(Optional)" to "Support Sheet located between PWB and Insulation sheet of Chassis" and "Alternate Support Sheet located between PWB and Insulation sheet of Chassis".

<Model CME1500A/RF and CUS1500M/RF only>

- Rotational speed in low speed of fan motor changed from 3900 rpm to 5400 rpm. Fan motor (type 9G0612H4) had no change.
- Application of fan flow barrier restricted to 12 V and 15 V output from 12 V, 15 V, 24 V, 36 V, and 48 V output.
- Minor change of secondary circuit
- Change of Insulation System of (T401) from NLB5 to NLF2.

<Model RWS1500B/RF, CME1500A/RF, and CUS1500M/RF (models with suffix "RF") only>

- Shape of insulation sheet for cover changed.

<Model RWS1500B series only>

- Addition of alternate DC fan motor, type 06025DE-12R.


**Additional information (if necessary)**



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