

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

**CB TEST CERTIFICATE****CERTIFICAT D'ESSAI OC**

Product  
Produit

Switching Power Supply

Name and address of the applicant  
Nom et adresse du demandeur

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  
Nom et adresse du fabricant

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  
Nom et adresse de l'usine

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

Note: When more than one factory, please report on page 2  
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page

Additional Information on page 2  
See Page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Trademark (if any)  
Marque de fabrique (si elle existe)



Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais  
constructeur

Model / Type Ref.  
Ref. De type

ZWS100BAF-abcde  
a = 3, 5, 12, 15, 24, 36, 48. b = "/" or blank. c = R or blank. d = A, L  
or blank. e = CO2, FG, FV or blank

Additional information (if necessary may also be  
reported on page 2)  
Les informations complémentaires (si nécessaire,,  
peuvent être indiqués sur la 2<sup>ème</sup> page

Additional Information on page 2

A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à la

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1,  
IEC 60950-1(ed.2);am2

As shown in the Test Report Ref. No. which forms part  
of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce Certificat

4787190432-1 issued on 2015-12-15

This CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**



- 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: 2015-12-17  
Original Issue Date: 2015-08-06

Signature:

Akira Kato



Ref. Certif. No.

**JP-12561-A1-UL**

**Factories:**

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

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

Wuxi TDK-Lambda Electronics Co Ltd  
NO 6 XING CHUANG ER LU WUXI JIANGSU 214028  
CHINA

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

ZHANGJIAGANG HUA YANG ELECTRONICS CO LTD  
TONGXIN RD ZHAOFENG ECONOMIC DEVELOPMENT ZONE LEYU TOWN ZHANGJIAGANG JIANGSU 215622  
CHINA

**Ratings:**

**Input:**

AC 100-240V, 50/60Hz, 1.0A (for models of a = 3)  
1.3A (other than models of a = 3)

**Output:**

DC3.3V, 20A ZWS100BAF-3 (DC 2.64V – 3.63V, max. 20A, max. 66.0W)  
DC5V, 20A ZWS100BAF-5 (DC 4.0 – 5.5V, max. 20A, max. 100W)  
DC12V, 8.5A ZWS100BAF-12 (DC 9.6 – 13.2V, max. 8.5A, max. 102W)  
DC15V, 6.7A ZWS100BAF-15 (DC 12.0 – 16.5V, max. 6.7A, max. 100.5W)  
DC24V, 4.3A ZWS100BAF-24 (DC 19.2 – 26.4V, max. 4.3A, max. 103.2W)  
DC36V, 2.8A ZWS100BAF-36 (DC 32.4 – 39.6V, max. 2.8A, max. 100.8W)  
DC48V, 2.1A ZWS100BAF-48 (DC 38.4 – 52.8V, max. 2.1A, max. 100.8W)

Output voltage of parenthesis can be changed with the adjustable variable resistor (VR51) within the range.

**Additional Information:**

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

- Minor modifications of description in Table 1.5.1.

Additionally evaluated to EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013

National Differences specified in the CB Test Report.

**Additional information (if necessary)**

**Information complémentaire (si nécessaire)**



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