


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 CORP 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195 JAPAN
<p>Note: When more than one factory, please report on page 2</p>	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	See Page 2
Trademark (if any)	
Type of Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	ZWS100BAF-abcdefgh 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 type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 62368-1(ed.2)
As shown in the Test Report Ref. No. which forms part of this Certificate	4788049712 issued on 2018-05-16

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

Date: 2018-05-17

Signature:

  
 Masamichi Takagi
For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

## Model Details:

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

## 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 with suffix a = 3)  
1.3A (other than models with suffix 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 (if necessary)



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