

# DEMKO CERTIFICATE

<b>Certificate No.</b>	D-04078-A3
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<b>Date of Issue</b>	2016-06-23
<b>Certificate Holder</b>	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195, JAPAN
<b>Manufacturer</b>	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195, JAPAN
<b>Production site</b>	WUXI TDK-LAMBDA ELECTRONICS CO LTD NO 6 XING CHUANG ER LU WUXI JIANGSU 214028 CHINA  See Page 2
<b>Certified Product Model</b>	Medical Grade Power Supply HWS150A-xx/ME, HWS150A-xx/MEA, HWS150A-xx/MER, HWS150A-xx/MERA See Page 2
<b>Trademark</b>	<b><i>TDK-Lambda</i></b>
<b>Rated Voltage / Frequency</b>	See Page 2
<b>Rated Current / Power</b>	See Page 2
<b>Insulation Class</b>	-
<b>Degree of protection (IP)</b>	-
<b>Tested acc. to</b>	ØP Å € €FFIGG ÅEN 60601-1:2006/A12:2014, ØP Å € €FFIGG ØFFIGFH
<b>Test Report No.</b>	4787490334 issued on 2016-06-23
<b>Additional</b>	See Page 2
<b>Expire date</b>	2025-04-06

**Certification Manager**  
Jan-Erik Storgaard

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the D Mark Requirements. The Designated Certificate holder is entitled to use the d or for cables <DEMKO> for the Certified Product manufactured at the production site(s) identified above, in accordance with the D Mark Service Agreement, including without limitation the D Mark Testing and Certification Services Service Terms. Only those Products bearing the D Mark should be considered as being covered by UL's D Mark Service. This Certificate shall remain valid through the expiration date, unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior to the expiration date.

**Certification Body**

UL International Demko A/S, Borupvang 5A, DK-2750  
Ballerup, Denmark, Tel. +45 44 85 65 65,  
info.dk@ul.com  
www.ul-europe.com



# Appendix DEMKO CERTIFICATE

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## Model Details:

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Where xx represents the output voltage rating and can be one of the following: 5, 12, 15, 24, 48.

## Production Sites:

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

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

## Ratings:

### <Input>

HWS150A-xx/ME, HWS150A-xx/MEA, HWS150A-xx/MER and HWS150A-xx/MERA: 100 - 240 V ac, 50 - 60 Hz, 2.0 A

### <Output>

- (1) HWS150A-5/ME, HWS150A-5/MEA, HWS150A-5/MER and HWS150A-5/MERA: 5 V , 30 A
- (2) HWS150A-12/ME, HWS150A-12/MEA, HWS150A-12/MER and HWS150A-12/MERA: 12 V , 13 A
- (3) HWS150A-15/ME, HWS150A-15/MEA, HWS150A-15/MER and HWS150A-15/MERA: 15 V , 10.0 A
- (4) HWS150A-24/ME, HWS150A-24/MEA, HWS150A-24/MER and HWS150A-24/MERA: 24 V , 6.5 A
- (5) HWS150A-48/ME, HWS150A-48/MEA, HWS150A-48/MER and HWS150A-48/MERA: 48 V , 3.3 A

## Additional Information:

This certificate replaces the certificate No. D-04078-A2, dated 2016-03-07 due to addition of alternate components.

Risk management was not included in this investigation.

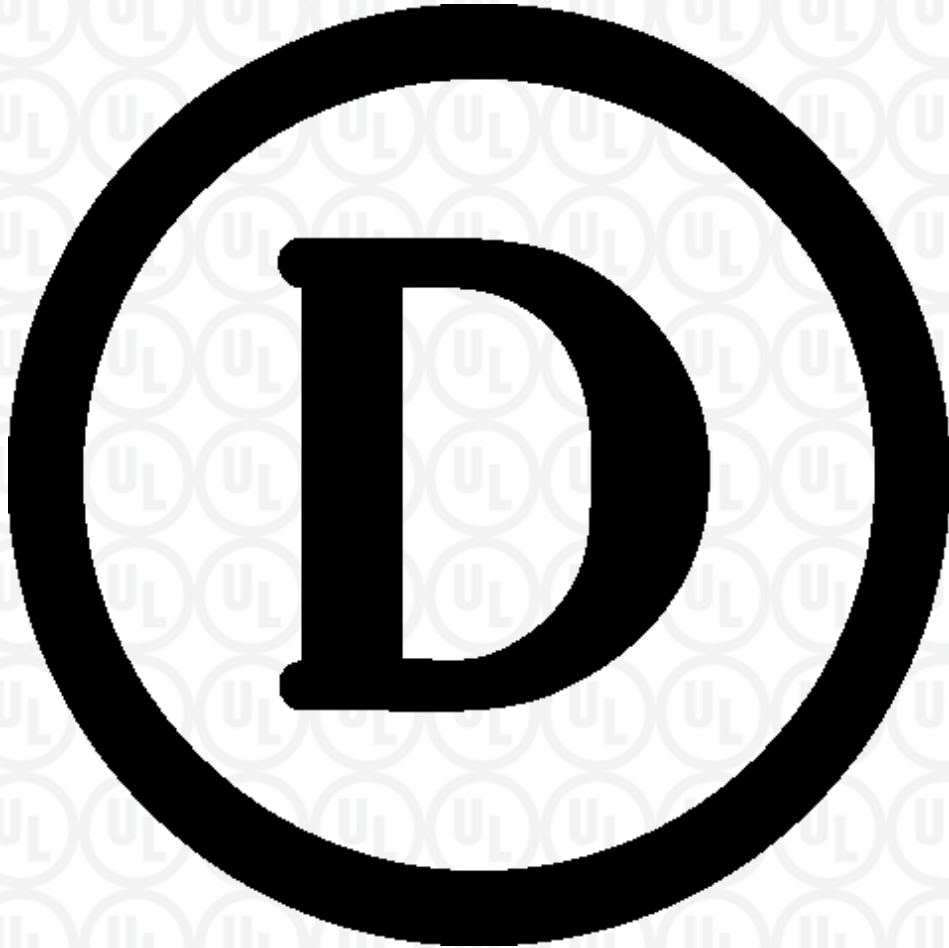
## Certification Body

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