

DEMKO CERTIFICATE

Certificate No.	D-04099-A1
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Date of Issue	2016-03-04
Certificate Holder	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
Manufacturer	TDK-LAMBDA CORP NAGAOKA TECHNICAL CENTER R&D DIV 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA 940-1195 JAPAN
Production site	WUXI TDK-LAMBDA ELECTRONICS CO LTD NO 6 XING CHUANG ER LU WUXI JIANGSU 214028 CHINA See Page 2
Certified Product Model	Medical Grade Power Supply HWS50A-xx/ME, HWS50A-xx/MEA, HWS50A-xx/MER, HWS50A-xx/MERA See Page 2
Trademark	<i>TDK-Lambda</i>
Rated Voltage / Frequency	See Page 2
Rated Current / Power	See Page 2
Insulation Class	I
Degree of protection (IP)	X0
Tested acc. to	EN 60601-1:2006/A12:2014, EN 60601-1:2006/A1:2013, EN 60601-1:2006
Test Report No.	4787342581 issued on 2016-03-03
Additional	for building-in
Expire date	2025-04-16

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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior to the expiration date.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



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Model Details:

HWS50A-xx/ME, HWS50A-xx/MEA, HWS50A-xx/MER, HWS50A-xx/MERA

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

Rated Voltage Frequency:

<Input>

HWS50A-xx/ME, HWS50A-xx/MEA, HWS50A-xx/MER and HWS50A-xx/MERA: 100 - 240 V ac, 50 - 60 Hz, 0.7 A

<Output>

- (1) HWS50A-5/ME, HWS50A-5/MEA, HWS50A-5/MER and HWS50A-5/MERA: 5 Vdc, 10 A
- (2) HWS50A-12/ME, HWS50A-12/MEA, HWS50A-12/MER and HWS50A-12/MERA: 12 Vdc, 4.3 A
- (3) HWS50A-15/ME, HWS50A-15/MEA, HWS50A-15/MER and HWS50A-15/MERA: 15 Vdc, 3.5 A
- (4) HWS50A-24/ME, HWS50A-24/MEA, HWS50A-24/MER and HWS50A-24/MERA: 24 Vdc, 2.2 A
- (5) HWS50A-48/ME, HWS50A-48/MEA, HWS50A-48/MER and HWS50A-48/MERA: 48 Vdc, 1.1 A

Additional Information:

This certificate replaces the earlier issued certificate no.D-04099 due to
- Addition of factory

The product has been evaluated with the exception of Risk Management assessment.

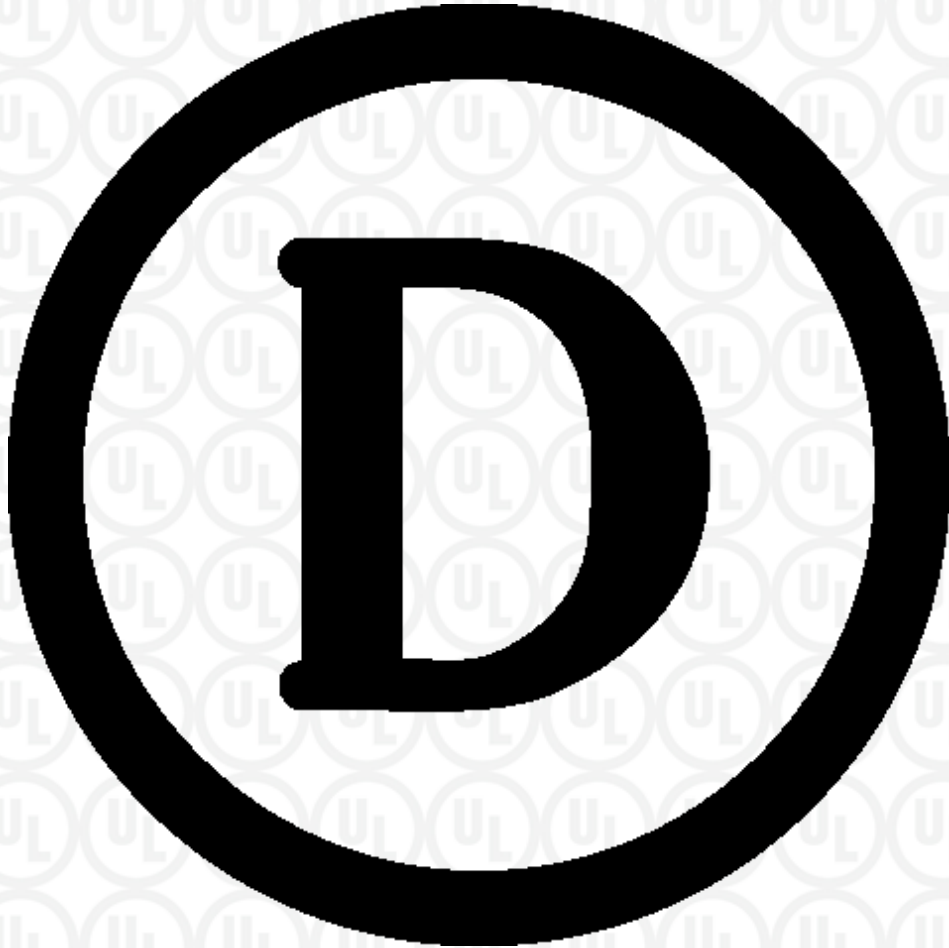
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