

# DEMKO CERTIFICATE

<b>Certificate No.</b>	D-06813
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<b>Date of Issue</b>	2018-09-25
<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>	TDK-LAMBDA CORP 2704-1 SETTAYA-MACHI NAGAOKA-SHI NIIGATA-KEN 940-1195 JAPAN  See Page 2
<b>Certified Product Model</b>	DC-DC Converter PAE100S48-***, PAE100S48-3R3/H, PAE50S24-*, PAE50S48-*** 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>	Class I
<b>Degree of protection (IP)</b>	IPX0
<b>Tested acc. to</b>	EN 62368-1:2014/A11:2017, EN 62368-1:2014
<b>Test Report No.</b>	E122103-A6029-CB-1 issued on 2018-09-19
<b>Additional</b>	For Building-In
<b>Expire date</b>	2028-09-24

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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior to the expiration date.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

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## Model Details:

PAE100S48-\*\*\*, PAE50S48-\*\*\* (\*\*\*) = 1R8, 2R5, 3R3, 5)  
PAE50S24-\* (\* = 5 or 6)

## Production Sites:

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

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

## Ratings:

1) Input: 18-36Vdc, 3.10A max. (2.32A at 24Vdc), Output: 5V, 10A for model PAE50S24-5  
Input: 18-36Vdc, 3.10A max. (2.33A at 24Vdc), Output: 6V, 8.4A for model PAE50S24-6

2) Input: 36-76Vdc, 1.75A max. (0.86A at 48Vdc), Output: 1.8V, 20A for model PAE50S48-1R8  
Input: 36-76Vdc, 1.98A max. (1.06A at 48Vdc), Output: 2.5V, 18A for model PAE50S48-2R5  
Input: 36-76Vdc, 2.56A max. (1.22A at 48Vdc), Output: 3.3V, 16A for model PAE50S48-3R3  
Input: 36-76Vdc, 3.12A max. (1.20A at 48Vdc), Output: 5V, 10A for model PAE50S48-5

3) Input: 36-76Vdc, 1.75A max. (1.30A at 48Vdc), Output: 1.8V, 30A for model PAE100S48-1R8  
Input: 36-76Vdc, 1.98A max. (1.47A at 48Vdc), Output: 2.5V, 25A for model PAE100S48-2R5  
Input: 36-76Vdc, 2.56A max. (1.91A at 48Vdc), Output: 3.3V, 25A for model PAE100S48-3R3  
Input: 36-76Vdc, 3.12A max. (2.31A at 48Vdc), Output: 3.3V, 30A for model PAE100S48-3R3/H  
Input: 36-76Vdc, 3.12A max. (2.32A at 48Vdc), Output: 5V, 20A for model PAE100S48-5

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