

# DEMKO CERTIFICATE

**Certificate No.** D-07421-A1  
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**Date of Issue** 2020-05-22

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

See Page 2

**Certified Product Model** DC-DC Converters  
1) PAF600F280-12, PAF600F280-24, PAF600F280-28,  
PAF600F280-48 See Page 2

**Trademark**

**TDK·Lambda**

OR

**LAMBDA**  
**DENSEI-LAMBDA**

**Rated Voltage / Frequency**

See Page 2

**Rated Current / Power**

See Page 2

**Insulation Class**

Class I

**Degree of protection (IP)**

IP is not classified (for building-in)

**Tested acc. to**

EN 62368-1:2014/A11:2017, EN 62368-1:2014

**Test Report No.**

E122103-A6072-CB-1 issued on 2020-05-19

**Additional**

The report was revised to include administrative modification(s).

**Expire date**

2029-07-25

**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. As specified in the respective appendix below the Designated Certificate holder is entitled to use the D-Mark, or its alternative for cables, 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with the Service Agreement including without limitation if the Standard identified on this Certificate is amended or withdrawn prior the expiration date.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.com



# Appendix DEMKO CERTIFICATE

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## Model Details:

- 1) PAF600F280-12, PAF600F280-24, PAF600F280-28, PAF600F280-48
- 2) PAF600F280-24/KTH
- 3) PAF450F280-12, PAF450F280-24, PAF450F280-28, PAF450F280-48

Models may be followed by optional suffix denoting minor variations which are not related to safety aspects : "/" and any alphanumeric characters.

## Production Sites:

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

TDK-LAMBDA (CHINA) ELECTRONICS CO LTD  
NO.95,ZHUJIANG RD, XINWU DISTRICT WUXI JIANGSU 214028  
CHINA

## Ratings:

### Input:

- 1) 200-400Vdc, 4.0A
- 2) 245-373Vdc, 4.0A
- 3) 200-400Vdc, 3.0A

### Output:

PAF600F280-12: 12Vdc, 50A, 600W  
PAF600F280-24: 24Vdc, 25A, 600W  
PAF600F280-28: 28Vdc, 21.5A, 602 W  
PAF600F280-48: 48Vdc, 12.5A, 600W  
PAF600F280-24/KTH: 28Vdc, 25A, 700W  
PAF450F280-12: 12Vdc, 38A, 456W  
PAF450F280-24: 24Vdc, 19A, 456W  
PAF450F280-28: 28Vdc, 16.5A, 462W  
PAF450F280-48: 48Vdc, 9.5A, 456W

## Additional Information:

This certificate replaces the certificate No.D-07421, issued on 2019-07-26 due to:  
- Update factories.

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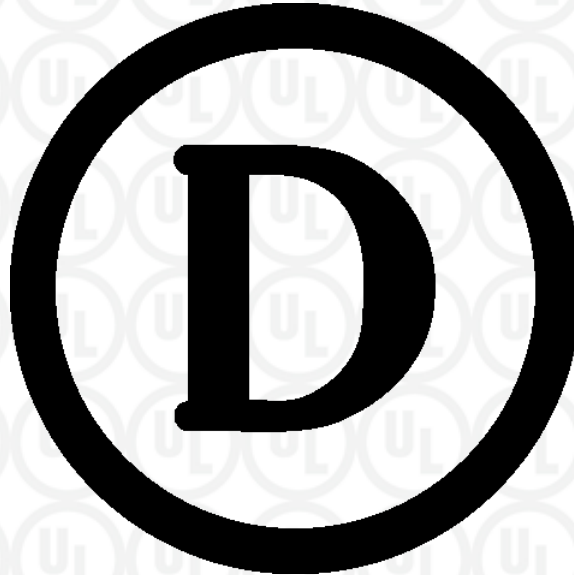


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## **Certification Mark D-Mark**

The D-Mark, as displayed below, shall appear on certified products only. Minimum size is not specified, as long as the Mark is legible.



The size of the Mark may be reduced or enlarged on the condition that it remains readable and that the proportions of width and height are kept. The use of dark text for the D-Mark on light backgrounds and light text on dark backgrounds is permitted.

When putting the product on the EU market, the manufacturer's name, trademark or mark of origin must be affixed in a clearly visible location and position on the product, on the package and in the user manual. It can be affixed by label, be directly imprinted, or cast or molded into the product.

## **Alternate certification Mark for cables**

As an alternative to the D-Mark specified above the alternate D-Mark, displayed below, can appear on certified cables only. Minimum size is not specified, as long as the mark is legible.

◁DEMKO▷

The alternate D-Mark may be cast, stamped or moulded into the cable and continue throughout the length of the cable as specified in the applicable cable standard.

All content shall be in accordance with the details provided on this D-Mark Certificate.

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