





Ref. Certif. No.

**JP-25606-UL**

**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME**

**CB TEST CERTIFICATE**

Product	DC-DC Converters
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 MALAYSIA SDN BHD PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI JOHOR MALAYSIA <input checked="" type="checkbox"/> <a href="#">Additional Information on page 2</a>
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	See Page 2
Trademark (if any)	 OR 
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	See Page 2
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN IEC 62368-1:2020/ A11:2020. National Differences specified in the CB Test Report. <input type="checkbox"/> <a href="#">Additional Information on page 2</a>
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2018
As shown in the Test Report Ref. No. which forms part of this Certificate	E122103-A6186-CB-1 issued on 2021-11-12

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

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

Date: 2021-11-12

Signature:

Masamichi Takagi



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**Factories:**

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

**Model Detail(s):**

- 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.

**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 (if necessary)**



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*M. Takagi*  
Masamichi Takagi