



Ref. Certif. No.

**US-34799-UL**

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

**CB TEST CERTIFICATE**

Product

DC-To-DC Converters

Name and address of the applicant

TDK-LAMBDA AMERICAS INC  
SUITE 100  
3320 MATRIX DR  
RICHARDSON TX 75082  
UNITED STATES

Name and address of the manufacturer

TDK-LAMBDA AMERICAS INC  
SUITE 100  
3320 MATRIX DR  
RICHARDSON TX 75082  
UNITED STATES

Name and address of the factory

Note: When more than one factory, please report on page 2

TDK-LAMBDA AMERICAS INC  
SUITE 100  
3320 MATRIX DR  
RICHARDSON TX 75082  
UNITED STATES

Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark / Brand (if any)

TDK or TDK-Lambda



Type of Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

iEH48\*\*\*A%%V-xxx, iEH4N\*\*\*A%%V-xxx  
See Page 2

Additional information (if necessary may also be reported on page 2)

Additionally evaluated to EN 62368-1:2014 / A11:2017;  
National Differences specified in the CB Test Report.

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

E220248-A6011-CB-1 issued on 2019-11-20

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: 2019-11-20

Signature:

Jolanta M. Wroblewska



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Model Details:

iEH Series:

Model: iEH48\*\*\*A%%V-xxx or iEH4N\*\*\*A%%V-xxx where

\*\*\* represents rated output current between 20A - 40A, (Note that the first digit is always "0");

%%V represents rated output voltage between 9.6V - 12V (Note that the third digit is preceded by a decimal point.

Example 120 implies 12.0 Volts.) and

xxx represents any alphanumeric characters denoting non-safety related features.

It may also be followed by optional '-R' to denote RoHS compliance.

Examples:

iEH48025A120V-xxx(-R), iEH48020A120V-xxx(-R), iEH4N028A108V-xxx(-R), iEH4N033A096V-xxx(-R),

iEH4N031A096V-xxx(-R), iEH4N040A120V-xxx(-R), iEH4N042A108V-xxx(-R)

where xxx represents any alphanumeric characters denoting non-safety related features

Factories:

TDK-LAMBDA MALAYSIA SDN BHD

PLO33 KAWASAN PERINDUSTRIAN SENAI

81400 SENAI

JOHOR MALAYSIA

Ratings:

Optional:

Input DC 36 -75 VDC, 10.5 max

Output 9.6 - 12.0 VDC max, 42 A max, 480 W max

See model list

iEH48025A120V-xxx(-R)

Input: 36-75Vdc, 9A

Output: 12Vdc, 25A, 300W max

iEH48028A108V-xxx(-R)

Input: 36-75Vdc, 9A

Output: 10.8Vdc, 28A, 300W max

iEH48020A120V-xxx(-R)

Input: 36-75Vdc, 7.5A

Output: 12Vdc, 20A, 240W max

iEH4N028A108V-xxx(-R)

Input: 51-55Vdc, 6.5A

Output: 10.8Vdc, 28A, 302W max

iEH4N033A096V-xxx(-R)

Input: 38-55Vdc, 8.5A

Output: 9.6Vdc, 33.3A, 320W max

iEH4N031A096V-xxx(-R)

Input: 38-55Vdc, 8A

Output: 9.6Vdc, 31.3A, 300W max

iEH4N040A120V-xxx(-R)

Input: 49-56Vdc, 10.5A

Output: 12Vdc, 40A, 480W

IEH4N042A108V-xxx(-R)

Input: 49-56Vdc, 9.8A

Output: 10.8Vdc, 42A, 454W

Additional information (if necessary)



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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

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