

## 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	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON TX 75082 UNITED STATES
<i>Note: When more than one factory, please report on page 2</i>	
Ratings and principal characteristics	See Page 2
Trademark / Brand (if any)	TDK 
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	iQE24***A%%V-###-R, iQE48***A%%V-###-R iQE4W***A%%V-###-R 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. <input type="checkbox"/> 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-A6013-CB-1 issued on 2020-02-18

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

Date: 2020-02-18

Signature:

Jolanta M. Wroblewska

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



Ref. Certif. No.

**US-35273-UL**

**Model Details:**

iQE24, iQE48 and iQE4W – Series (see Test Report for model matrix)

iQE24\*\*\*A%%V-###-R

iQE48\*\*\*A%%V-###-R

iQE4W\*\*\*A%%V-###-R

where \*\*\* represents a three digit output current less than or equal to 50A. Values will be expressed in 1A increments. (Note that the first digit is always "0");

where %%% represents a three digit voltage less than or equal to 20V. Values will be expressed in 100mV increments. (Note that the third digit is preceded by a decimal point. Example 120 implies 12.0 Volts.)

###, where it may be 0## or 1## which is a three digit alphanumeric indicating a mechanical or control function modification. The 1 in 1## indicates option for baseplate.

**Factories:**

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

**Ratings:**

iQE24\*\*\*A%%V-###-R

Input: 18 - 36VDC, 15 A OR 19-30 VDC, 15 A

Output - 20 VDC Max, 35 A Max, 120 W

iQE48\*\*\*A%%V-###-R

Input: 36 - 75VDC, 10 A OR 42-60VDC, 10 A

Output - 20 VDC Max, 50 A Max, 204 W

iQE4W\*\*\*A%%V-###-R

Input: 18 - 75VDC, 15 A

Output - 20 VDC Max, 35 A Max, 132 W

where \*\*\* represents a three digit current less than or equal to 50A. Values will be expressed in 1A increments. (Note that the first digit is always "0");

where %%% represents a three digit voltage less than or equal to 20V. Values will be expressed in 100mV increments. (Note that the third digit is preceded by a decimal point. Example 120 implies 12.0 Volts.)

###, where it may be 0## or 1## which is a three digit alphanumeric indicating a mechanical or control function modification. The 1 in 1## indicates option for baseplate.

(see enclosure for model matrix details)

**Additional information (if necessary)**



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