




Ref. Certif. No.

US-32195-M1-UL

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

CB TEST CERTIFICATE

Product	DC to DC Converter
Name and address of the applicant	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON TX 75082 USA
Name and address of the manufacturer	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON TX 75082 USA
Name and address of the factory	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON TX 75082 USA
Note: When more than one factory, please report on page 2	<input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	N/A
Trademark (if any)	TDK or TDK-Lambda 
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	DDA*** (N or I) - %%%-xxxx-(bbb) See Page 2
Additional information (if necessary may also be reported on page 2)	The report was revised to include technical modifications. <input checked="" 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-A6001-CB-1 issued on 2019-08-07

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

Date: 2019-08-07
Original Issue Date: 2018-08-03

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-32195-M1-UL

Model Details:

DDA***(N or I)-%-%-%-xxxx-(bbb)

Where "****" represents rated output power between 0W and 999W, based on the installed dc-dc power unit's rating.
N = non-isolated, I = operational insulation / isolated.

%-%-% denotes number of outputs, number of modules and polarity (e.g. S1PX = single unit, positive or D2PN = dual output, two modules, one positive and one negative output)

xxxx indicates a number indicating magnitude of nominal voltage set point (e.g. 1205 = one 12V and 5V)

bbb indicates feature set.. e.g. (on off logic, power good feature present)

Factories:

TDK-LAMBDA MALAYSIA SDN BHD

PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI JOHOR

MALAYSIA

Additional Information:

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

The original report was modified to include the following changes/additions:

Amendment 1 (Technical):

- Revised the model number nomenclature (removed "-y" and "may be followed by "R").
- Marking plate was updated accordingly.

Additional information (if necessary)



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

Date: 2019-08-07

Original Issue Date: 2018-08-03

Signature:

Jolanta M. Wroblewska

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

CB TEST CERTIFICATE

Product	DC to DC Converter
Name and address of the applicant	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON TX 75082 USA
Name and address of the manufacturer	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON TX 75082 USA
Name and address of the factory	TDK-LAMBDA AMERICAS INC SUITE 100 3320 MATRIX DR RICHARDSON TX 75082 USA <input checked="" type="checkbox"/> Additional Information on page 2
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	N/A
Trademark (if any)	TDK or TDK-Lambda 
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	DDA***(N or I)-%-%-%-xxxx-(bbb)-y See Page 2
Additional information (if necessary may also be reported on page 2)	The report was revised to include corrections. <input checked="" 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-A6001-CB-1 issued on 2019-03-06

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

Date: 2019-03-06

Original Issue Date: 2018-08-03

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-32195-A1-UL

Model Details:

DDA***(N or I)-%-%-%-xxxx-(bbb)-y

Where "****" represents rated output power between 0W and 999W, based on the installed dc-dc power unit's rating.

N = non-isolated, I = operational insulation / isolated.

%-%-% denotes number of outputs, number of modules and polarity (e.g. S1PX = single unit, positive or D2PN = dual output, two modules, one positive and one negative output)

xxxx indicates a number indicating magnitude of nominal voltage set point (e.g. 1205 = one 12V and 5V)

bbb indicates feature set.. e.g. (on off logic, power good feature present)

y- may be followed by "R"

Factories:

TDK-LAMBDA MALAYSIA SDN BHD

PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI JOHOR

MALAYSIA

Additional Information:

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

Summary of Modifications:

Corrected EN Standard references and clauses.

Additional information (if necessary)



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/names

Date: 2019-03-06

Original Issue Date: 2018-08-03

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-32195-UL

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

CB TEST CERTIFICATE

Product

DC to DC Converter

Name and address of the applicant

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

Name and address of the manufacturer

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

Name and address of the factory

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

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

[Additional Information on page 2](#)

Ratings and principal characteristics

N/A

Trademark (if any)

TDK or TDK-Lambda



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

CTF Stage 2

Model / Type Ref.

DDA**(N or I)-%-%-%-xxxx-(bbb)-y
See Page 2

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

Additionally evaluated to EN 62368-1:2014;
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-A6001-CB-1 issued on 2018-08-03

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

Date: 2018-08-03

Signature:

Jolanta M. Wroblewska



Ref. Certif. No.

US-32195-UL

Model Details:

DDA*** (N or I)-%-%-%-xxxx-(bbb)-y

Where "****" represents rated output power between 0W and 999W, based on the installed dc-dc power unit's rating.

N = non-isolated, I = operational insulation / isolated.

%-%-% denotes number of outputs, number of modules and polarity (e.g. S1PX = single unit, positive or D2PN = dual output, two modules, one positive and one negative output)

xxxx indicates a number indicating magnitude of nominal voltage set point (e.g. 1205 = one 12V and 5V)

bbb indicates feature set.. e.g. (on off logic, power good feature present)

y- may be followed by "R"

Factories:

TDK-LAMBDA MALAYSIA SDN BHD

PLO33 KAWASAN PERINDUSTRIAN SENAI 81400 SENAI JOHOR

MALAYSIA

Additional information (if necessary)



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

Date: 2018-08-03

Signature:

Jolanta M. Wroblewska