

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

CB TEST CERTIFICATE

Product

DC-DC Converter

Name and address of the applicant

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

Name and address of the manufacturer

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

Name and address of the factory

TDK AKITA CORPORATION
16-57 AZA-YAMANOKAMI ISHIWAKI YURI-HONJO-SHI
AKITA-KEN 015-0014
JAPAN

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

 Additional Information on page 2

Ratings and principal characteristics

See Page 2

Trademark (if any)



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

Model / Type Ref.

CCG30-ww-xxS (ww: 24, xx: 03, 05, 12 or 15) or (ww: 48, xx: 03, 05, 12, 15 or 48), maybe followed by suffix "abc" (a is "/" or blank, b is "N" or blank, c is "P" or blank. Note: Suffix "N" is applicable for CCG30-48-48S only.)

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

E132035-A6010-CB-1 issued on 2019-05-16

This CB Test Certificate is issued by the National Certification Body



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Denko), 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: 2019-05-17

Signature:

Original Issue Date: 2019-03-19

Masamichi Takagi



Ref. Certif. No.

JP-20779-M1-UL

Factories:

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

Ratings:

Input:

- 9 - 36 Vdc, 3.2 A (for Model ww: 24, xx: 03)
- 9 - 36 Vdc, 4.0 A (for Model ww: 24, xx: 05 or 12)
- 9 - 36 Vdc, 3.9 A (for Model ww: 24, xx: 15)
- 18 - 76 Vdc, 1.6 A (for Model ww: 48, xx: 03)
- 18 - 76 Vdc, 2.0 A (for Model ww: 48, xx: 05, 12, 15 or 48)

Output: (See Test Report for detail.)

Additional Information:

(Technical Modification)

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

- Addition of transformer (T2) with alternate construction to model CCG30-48-12S.

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: 2019-05-17
Original Issue Date: 2019-03-19

Signature:
Masamichi Takagi