

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

CB TEST CERTIFICATE

Product	Switch mode power supplies
Name and address of the applicant	TDK-Lambda UK Ltd Kingsley Avenue, Ilfracombe Devon, EX34 8ES UNITED KINGDOM
Name and address of the manufacturer	TDK-Lambda UK Ltd Kingsley Avenue, Ilfracombe Devon, EX34 8ES UNITED KINGDOM
Name and address of the factory <i>Note: When more than one factory, please report on page 2</i>	TDK-Lambda UK Ltd Kingsley Avenue, Ilfracombe Devon, EX34 8ES UNITED KINGDOM <input checked="" type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	See Page 2
Trademark (if any)	
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 3
Model / Type Ref.	QM4 or QS4, QM5 or QS5, QM7 or QS7, or QM8, 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 60601-1:2005/AMD1:2012, IEC 60601-1:2005
As shown in the Test Report Ref. No. which forms part of this Certificate	E349607-D1002-2/A1/C0-ULCB issued on 2019-06-04

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/ncbnamesDate: 2019-07-03
Original Issue Date: 2018-06-27

Signature:

Jan-Erik Storgaard

Model Details:

QM4 or QS4, QM5 or QS5, QM7 or QS7, or QM8 (followed by alphanumeric characters - see Model Differences section in Test Report for details of models and nomenclature)

Factories:

PANYU TRIO MICROTRONIC CO. LTD
SHIJI INDUSTRIAL ESTATE DONGYONG, NANSHA, GUANGZHOU GUANGDONG
CHINA

Ratings:

QM4 or QS4 (550W): 100-240Vac nom, 47-63Hz, 9A rms max
QM4 or QS4 (650W): 200-240Vac nom, 47-63Hz, 6A rms max
QM4 or QS4 (550W): 144-318Vdc nom, 6Adc max
QM4 or QS4 (650W): 239-318Vdc nom, 5Adc max

QM5 or QS5 (700W): 100-240Vac nom, 47-63Hz, 11A rms max
QM5 or QS5 (800W): 200-240Vac nom, 47-63Hz, 9A rms max
QM5H or QS5H (700W): 100-240Vac nom, 47-63Hz, 11A rms max
QM5H or QS5H (800W): 200-240Vac nom, 47-63Hz, 9A rms max
QM5H or QS5H (1200W): 200-240Vac nom, 47-63Hz, 9A rms max

QM5 or QS5 (700W): 144-318Vdc nom, 7Adc max
QM5 or QS5 (800W): 239-318Vdc nom, 7Adc max
QM5H or QS5H (700W): 144-318Vdc nom, 7Adc max
QM5H or QS5H (800W): 239-318Vdc nom, 7Adc max
QM5H or QS5H (1200W): 239-318Vdc nom, 7Adc max

QM7 or QS7 (1200W): 100-240Vac nom, 47-63Hz, 19A rms max
QM7 or QS7 (1500W): 166.7-240Vac nom, 47-63Hz, 14A rms max
QM7 or QS7 (1200W): 144-318Vdc nom, 13Adc max
QM7 or QS7 (1500W): 239-318Vdc, 9Adc max

QM8 (1200W): 100-240Vac nom, 47-63Hz, 19A rms max
QM8 (1500W): 166.7-240Vac nom, 47-63Hz, 14A rms max
QM8 (1200W): 144-318Vdc nom, 13Adc max
QM8 (1500W): 239-318Vdc, 10Adc max

QM8B (1200W): 100-240Vac nom, 47-63Hz, 19A rms max
QM8B (1500W): 166.7-240Vac nom, 47-63Hz, 14A rms max
QM8B (2000W): 200-240Vac nom, 47-63Hz, 15A rms max
QM8B (1200W): 144-318Vdc nom, 13Adc max
QM8B (1500W): 239-318Vdc, 10Adc max
QM8B (2000W): 239-318Vdc, 12Adc max

Additional Information:

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

1. QM8B version added. B version is the standard QM8 with bigger value capacitors to allow for 2KW output.
2. QM4 converter added to the QM range.
3. QM4, 7 and 8 evaluated for dc input.
4. QM range evaluated for 85Vac input (with de-rating).
5. Single channel output DH/DM modules added.
6. SA modules added
7. Nonstandard KQM70143x added
8. Model Differences section updated
9. Enclosures updated
10. Addition of alternates components and corrections to the Critical Components Table

The risk management requirements of the standard were not addressed.

Additionally evaluated to EN 60601-1:2006/ A1:2013/ A12:2014; National Differences specified in the CB test Report.

Additional information (if necessary)



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