


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	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, 201818 China
Name and address of the manufacturer	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road, Jiading District Shanghai, 201818 China
Name and address of the factory	FLEX ELECTRONICS (SHANGHAI) CO LTD 33 FUHUA ROAD,JIADING DISTRICT SHANGHAI 201818 CHINA
Note: When more than one factory, please report on page 2	<input type="checkbox"/> Additional Information on page 2
Ratings and principal characteristics	All ratings are optional; no ratings are required to be printed on product See test report for complete ratings program
Trademark / Brand (if any)	
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 1
Model / Type Ref.	BMR454****/***, BMR457****/*** See Page 2
Additional information (if necessary may also be reported on page 2)	<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	E496569-A6006-CB-1 issued on 2019-11-14

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: 2019-11-15

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-89669-UL

Model Details:

BMR454**/****

The model series BMR454****/**, with safety identical models, and the following is a description of differences:

1st **: 0-9 = pin option

2nd **: 0-1 = mechanical option:

0 = open frame

1 = baseplate

3rd and 4th **: :

00= hardware designed for 9-12Vout. Rating; in= 36-75Vdc, out 9-12Vdc 20 A, max 240VA.

01= hardware designed for 9-12Vout without the digital contact. Rating; in= 36-75Vdc, out 9-12Vdc 20 A, max 240VA.

02= hardware designed for 3.3-5Vout. Rating; in= 36-75Vdc, out 3.3-5Vdc 40 A, max 190VA.

03= hardware designed for 3.3-5Vout without the digital contact. Rating; in= 36-75Vdc, out 3.3-5Vdc 40 A, max 190 VA.

04= hardware designed for 12Vout fixed. Rating; in= 36-75Vdc, out 12Vdc 20 A, max 240VA.

05= hardware designed for 12Vout fixed without the digital contact. Rating; in= 36-75Vdc, out 12Vdc 20 A, max 240VA.

80-99: hardware with label

5th-7th **: 000-999= software configuration.

BMR457**/****

The model series BMR457 ****/** with safety identical models, and the following is a description of differences:

The first "*" defines the pin option: 0-9

The second "*" defines the mechanical option:0-1:

0 = open frame

1 = baseplate

3 = Upside down mechanical option

4 = Different height of baseplate (see test report for details)

The third and fourth "*" defines variants:

00: hardware optimized for 12Vout. 40-60Vin. Vout can be set from 6.9-13.2V,25A 300W.

01: hardware optimized for 12Vout. 40-60Vin. Vout can be set from 6.9-13.2V, without communication interface, 25A 300W.

04: hardware optimized for 12Vout. 36-75Vin. Vout can be set from 6.9-13.2V,22A 264W.

05: hardware optimized for 12Vout. 36-75Vin. Vout can be set from 6.9-13.2V, without communication interface, 22A 264W.

06: hardware optimized for 12Vout. 36-75Vin. Vout can be set from 6.9-13.2V. Drop function, without communication interface, 22A.261W

07: hardware optimized for 12Vout. 36-75Vin. Vout can be set from 6.9-13.2V. Drop function, with communication interface, 22A.261W

11: hardware optimized for 12Vout. 40-60Vin. Vout can be set from 6.9-13.2V. Drop function, without communication interface, 25A.297W

12: hardware optimized for 12Vout. 40-60Vin. Vout can be set from 6.9-13.2V. Drop function, with communication interface,25A.297W

16: hardware additional optimized for 12Vout. 40-60Vin. Vout can be set from 6.9-13.2V, with communication interface,25A.300W

17: hardware additional optimized for 12Vout. 40-60Vin. Vout can be set from 6.9-13.2V, without communication interface,25A.300W

18: hardware additional optimized for 12Vout. 36-75Vin. Vout can be set from 6.9-13.2V, with communication interface,25A.264W

19: hardware additional optimized for 12Vout. 36-75Vin. Vout can be set from 6.9-13.2V, without communication interface,25A.264W

80-99: hardware with label

Fifth, sixth and seventh "":000-999: software configuration

Additional Information:

Additionally evaluated to EN 62368-1:2014/A11:2017.

National Difference specified in the CB Test Report.

Additional information (if necessary)



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