



Ref. Certif. No.

DK-144555-UL

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 SHANGHAI SHI 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

Ratings and principal characteristics

[Additional Information on page 2](#)
(optional)
1. Input: 40-60Vdc, 35A; Output: 8-13.2Vdc, 0-108A, Max.1300W
2. Input: 40-60Vdc, 50A, Output: 8-13.2Vdc, 0-136A, Max.1600W

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

BMR351X1X2X3X4/X5X6X7, BMR350X1X2X3X4/X5X6X7
 [Additional Information on page 2-3](#)

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

Additionally evaluated to: EN 62368-1:2014, EN 62368-1:2014/A11:2017.
National Differences: EU Group Differences, CA, US
 [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-A6045-CB-1 issued on 2023-09-05

This CB Test Certificate is issued by the National Certification Body



- UL Solutions (US), 333 Pflugsten Rd IL 60062, Northbrook, USA
- UL Solutions (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see www.ul.com/ncbnames

Date: 2023-09-06

Signature:

Thomas Wilson



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Factory(ies):

FLEXTRONICS TECHNOLOGY(PENANG)SDN BHD
BLOK A1,NO.2466,TINGKAT PERUSAHAAN 4A,KAWASAN
PERUSAHAAN PERAI , 13600, PERAI, PULAU PINANG
MALAYSIA

Additional Model Detail(s):

BMR350X1X2X3X4/X5X6X7, X1 defines the Mechanical pin option

X1=0: TH - Standard Pin length 5,33 mm

X1=1: SMD

X1=2: LA = lead length 3.69 mm

X1=3: LB = lead length 4.57 mm

X1=4: LC = lead length 2.79 mm

X1=5: lead length 6.5 mm

X1=6-9: TBD

X2 defines the Mechanical option

X2=0: Standard open frame

X2=1: Base plate 12+/- 0.5mm Open Deck

X2=2: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader

X2=3: Base plate 13.3+/- 0.5mm Flat

X2=4: Base plate 13.4+/- 0.4mm Closed Deck, PEM insert and Bottom side Heat spreader

X2=5-9: TBD

X3X4 is used as sequence number for additional variants:

X3X4 can be a number between 0 and 99.

X3=0 3:1 860W

X3=1 3:1 700W

X3=2 3:1 600W

X3=5 3:1 1300W

X3X4=00: Vout 12.24V, 40-60Vin 860W 7 pin digital interface with PG and active current share

X3X4=01: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with sense function

X3X4=02: Vout 12.12V, 40-60Vin 860W 7 pin digital interface with Address0 on pin 13

X3X4=20: Vout 12.12V, 40-60Vin 600W 7 pin digital interface with sense function

X3X4=50: Vout 12.12 V, 40-60Vin 1300W 7 pin digital interface with PG and active current share,

X3X4=51: Vout 12.12 V, 40-60Vin 1300W 4 pin digital interface

X3X4=52: Vout 12 V, 40-60Vin 1300W 4 pin digital interface

X3X4=53: Vout 12 V, 40-60Vin 1300W 7pin digital interface, with Sense function+ DLS current share

X3X4=03-19, 21-49, 54-99: TBD

X5X6X7 is used as sequence number for CDA files:

Model number is CDA102 0350/ X5, X6, X7

X5, X6, X7 can be a number between 000 and 999. Both general numbers specified in the datasheet and customer unique numbers exists.

All CDA sequence number are SW unique.

NOTE: Standard CDA should be used start from /001, Customized CDA should be used start from /800.

Additional information (if necessary)



- UL Solutions (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL Solutions (Denko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL Solutions (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
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Additional Model Detail(s):

BMR351X1X2X3X4/X5X6X7, X1 defines the Mechanical pin option

X1=0: TH - Standard Pin length 5,33 mm

X1=1: SMD

X1=2: LA = lead length 3.69 mm

X1=3: LB = lead length 4.57 mm

X1=4: LC = lead length 2.79 mm

X1=5: lead length 6.5 mm

X1=6-9: TBD

X2 defines the Mechanical option

X2=0: Standard open frame

X2=1: Base plate 14+/- 0.4mm Open Deck with Bottom side Heat spreader

X2=2: Base plate 14.7+/- 0.4mm Closed Deck with Bottom side Heat spreader

X2=3-9: TBD

X3X4 is used as sequence number for additional variants:

X3X4 can be a number between 0 and 99.

X3=0 3:1 1600W

X3X4=00: Vout 12.00V, 40-60Vin 1600W 7 pin digital interface with PG and dual address

X3X4=01: Vout 12.00V, 40-60Vin 1600W 7 pin digital interface with PG and active current share

X3X4=02: Vout 12.20V, 40-60Vin 1600W 7 pin digital interface with PG and SENSE

X3X4=08: Vout 12.00V, 40-60Vin 1600W 4 pin digital interface

X3X4=09: Vout 12.00V, 40-60Vin) 1600W Without digital interface

X3X4=03-07, 10-99: TBD

X5X6X7 is used as sequence number for CDA files:

Model number is CDA102 0351/ X5, X6, X7

X5, X6, X7 can be a number between 000 and 999. Both general numbers specified in the datasheet and customer unique numbers exists.

All CDA sequence number are SW unique.

NOTE: Standard CDA should be used start from /001, Active current share CDA should contain /X3X.

Additional information (if necessary)



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