Ref. Certif. No.

DK-164534-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 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 Note: *When more than one factory, please report on page 2*	Flex Electronics (Shanghai) Co Ltd 33 Fuhua Road,Jiading District Shanghai 201818 China ☒ Additional Information on page 2
Ratings and principal characteristics	(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)	Flex
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	BMR350X1X2X3X4/X5X6X7, BMR351X1X2X3X4/X5X6X7 ☒ Additional Information on page 2 and 3
Additional information (if necessary may also be reported on page 2)	National Differences: EU Group Differences, CA, US ☒ Additional Information on page 3
A sample of the product was tested and found to be in conformity with	IEC 62368-1:2018
As shown in the Test Report Ref. No. which forms part of this Certificate	E496569-A6045-CB-2 issued on 2025-03-27

This CB Test Certificate is issued by the National Certification Body

UL Solutions

☐ UL Solutions (US), 333 Pfingsten 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: 2025-03-27

Signature:

Thomas Wilson

Factory(ies):

FLEXTRONICS TECHNOLOGY(PENANG)SDN BHD
Blok A1, No.2466, Tingkat Perusahaan 4ª Kawasan
Perusahaan Perai Perai, Pulau Pinang 13600
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 (intended for BMR 490 replacement)
X2=5: Base plate 12+/- 0.5mm Open Deck with Bottom side Heat spreader, coated inductor
X2=6-9: 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=03-19: TBD
X3X4=20: Vout 12.12V, 40-60Vin 600W 7 pin digital interface with sense function
X3X4=21-49: TBD
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=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 (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: 2025-03-27

Signature:

Thomas Wilson

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=03-07: TBD
X3X4=08: Vout 12.00V, 40-60Vin 1600W 4 pin digital interface
X3X4=09: Vout 12.00V, 40-60Vin) 1600W Without digital interface
X3X4=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.

Additionally evaluated to:
EN IEC 62368-1:2020, EN IEC 62368-1:2020/A11:2020

Additional information (if necessary)

☐ UL Solutions (US), 333 Pfingsten 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: 2025-03-27

Signature:

Thomas Wilson