



Ref. Certif. No.

DK-91390-M2-UL

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

CB TEST CERTIFICATE

Product

Switching Power Supply

Name and address of the applicant

MEAN WELL ENTERPRISES CO LTD
No 28 Wuquan 3rd Rd
Wugu District New Taipei City 24891
Taiwan

Name and address of the manufacturer

MEAN WELL ENTERPRISES CO LTD
No 28 Wuquan 3rd Rd
Wugu District New Taipei City 24891
Taiwan

Name and address of the factory

MEAN WELL Enterprises Co., Ltd.
No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 24891,
Taiwan

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

Additional Information on page 2

Ratings and principal characteristics

Input (All Models): 100-240 Vac, 50/60 Hz, 9 A
O/P: TOTAL OUTPUT POWER 650W (max.)
(For each power module output, see test report for details)
 Additional Information on page 2

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model / Type Ref.

MP650-aaab, MP650-aaabd, MP650-aaba, MP650-aabad, MP650-abaa
 Additional Information on page 2

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

Additionally evaluated to: EN 62368-1:2014, EN 62368-1:2014/A11:2017
The report was revised to include technical modifications.
National Differences: EU Group Differences, AU, CA, DK, IT, JP, NZ, GB, 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

E183223-4789133911-1 Am2 issued on 2023-06-30

This CB Test Certificate is issued by the National Certification Body



- 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: 2023-07-03
Original Issue Date: 2019-12-24

Signature:
Thomas Wilson



Ref. Certif. No.

DK-91390-M2-UL

Factory(ies):

SuZhou MEAN WELL Technology Co., Ltd.
No. 77, Jian-min Road, Dong-qiao, Pan-yang Ind. Park, Huang-dai Town, Xiang-cheng District, Suzhou, Jiangsu 215152, China

MEAN WELL (Guangzhou) Electronics Co., Ltd
No.11 Jingu South Road, Huadu District, Guangzhou Guangdong 510890, China

YONGDEN TECHNOLOGY CORPORATION
345 MacArthur HighWay, Tabang, Guiguinto, Bulacan 3015, Philippines

TRC Electronics Inc
4171 Stony Ln Doylestown PA 18902, United States of America

MEAN WELL USA Inc.
44030, Fremont Blvd., Fremont, CA 94538, United States of America

MEAN WELL USA Inc.
6655 Troost Ave Kansas City, Missouri 64131 United States of America

SuZhou MEAN WELL Technology Co., Ltd.
No.269, Changping Rd, Huangdai Town Xiangcheng District, Suzhou, Jiangsu, 215152, China

MEAN WELL INDIA ELECTRONICS PRIVATE LIMITED
9C, Peenya industrial area, Chokkasandra, 2ND PHASE, PEENYA, Bengaluru (Bangalore) Urban, Karnataka, 560058, India

Additional Model Detail(s):

MP650-aaaaa, MP650-aaab, MP650-aaba, MP650-abaa, MP650-baaa, MP650-abbc, MP650-bbac, MP650-bab, MP650-aaabd, MP650-aabad, MP650-abaad, MP650-baaad (where a=A-X or 1A-1K denote code of power module used and or # denote without install power module; b=2A-2K or 3A-3K denote code of power module used or ## denote without install power module; c=-1, -2 or blank denote the parallel code of power module MS-300 and MS-360 series, d=-7, -8, -9 or blank denote the parallel code of power module MS-210 series; c, d for marketing purpose; detail see General product information)

Summary of Modifications:

1. Update the address of CB Testing Laboratory on page 1.; 2. Update the name and address of factory on page 9.; 3. Add an alternative source (Taiwan King Pin Terminal Co Ltd, Type 6155C-xx(LF) series) of Primary Connector (CN11, CN12, CN13, CN14, CN15).; 4. Update the manufacturer/trademark and standards information with bold font mentioned in Table 4.1.2.; 5. Add/Update the National Differences.

Additional information (if necessary)



- UL Solutions (US), 333 Pflingsten 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: 2023-07-03

Signature:

Original Issue Date: 2019-12-24

Thomas Wilson

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

CB TEST CERTIFICATE

Product	Redundant Power Supply
Name and address of the applicant	MEAN WELL Enterprises Co., Ltd. No.28, Wuquan 3rd Rd., Wugu District, New Taipei City 24891, Taiwan
Name and address of the manufacturer	MEAN WELL Enterprises Co., Ltd. No.28, Wuquan 3rd Rd., Wugu District, New Taipei City 24891, Taiwan
Name and address of the factory	MEAN WELL Enterprises Co., Ltd. No.28, Wuquan 3rd Rd., Wugu District, New Taipei City 24891 Taiwan
<i>Note: When more than one factory, please report on page 2</i>	
Ratings and principal characteristics	Input (All Models): 100-240 Vac, 50/60 Hz, 9 A O/P: TOTAL OUTPUT POWER 650W (max.) (For each power module output, see test report for details)
Trademark / Brand (if any)	
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	MP650-aaaaa, MP650-aaab, MP650-aaabd, MP650-aaba, MP650-aabad, MP650-abaa, 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 62368-1:2014
As shown in the Test Report Ref. No. which forms part of this Certificate	E183223-4789133911-1 Am1 issued on 2020-12-15

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

Date: 2020-12-23
Original Issue Date: 2019-12-24

Signature:

Jan-Erik Storgaard

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



Ref. Certif. No.

DK-91390-M1-UL

Model Details:

MP650-aaaaa, MP650-aaab, MP650-aaba, MP650-abaa, MP650-baaa, MP650-abbc, MP650-bbac, MP650-bab, MP650-aaabd, MP650-aabad, MP650-abaad, MP650-baaad
(where a=A-X or 1A-1K denote code of power module used and or # denote without install power module; b=2A-2K or 3A-3K denote code of power module used or ## denote without install power module; c=-1, -2 or blank denote the parallel code of power module MS-300 and MS-360 series, d=-7, -8, -9 or blank denote the parallel code of power module MS-210 series; c, d for marketing purpose; detail see General product information)

Factories:

SuZhou MEAN WELL Technology Co., Ltd.
No. 77, Jian-min Road, Dong-qiao, Pan-yang Ind. Park, Huang-dai Town, Xiang-cheng District, Suzhou, Jiangsu 215152
China

MEAN WELL (GUANGZHOU) ELECTRONICS CO., LTD HUADU BRANCH.
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou Guangdong 510890
China

YONGDEN TECHNOLOGY CORPORATION
345 MacArthur HighWay Tabang, Guiguinto, Bulacan 3015
Philippines

MEAN WELL USA Inc.
6655 Troost Ave Kansas City, MO 64131
USA

Additional Information:

Additionally evaluated to EN 62368-1:2014/A11:2017.
National Difference specified in the CB Test Report.

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

- (1) To add a source of DC fan - MinebeaMitsumi Inc / type 06025MA-12Q.
- (2) To correct the mfg. of DC fan from NMB Technologies Corporation to MinebeaMitsumi Inc.
- (3) To correct the CFM of DC fan MinebeaMitsumi Inc./Type 2410ML-04W-B79 from 31.8 to 33.18 due to typo by client's request.
- (4) To add the description of National Differences for BS EN 62368-1:2014+A11:2017.
- (5) To add a factory - MEAN WELL USA Inc. / 6655 Troost Ave Kansas City, MO 64131 USA

Additional information (if necessary)



- UL (US), 333 Pflingsten 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: 2020-12-23
Original Issue Date: 2019-12-24

Signature:

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Ref. Certif. No.

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

CB TEST CERTIFICATE

Product

Redundant Power Supply

Name and address of the applicant

MEAN WELL Enterprises Co., Ltd.
No.28, Wuquan 3rd Rd., Wugu District, New Taipei City 24891, Taiwan

Name and address of the manufacturer

MEAN WELL Enterprises Co., Ltd.
No.28, Wuquan 3rd Rd., Wugu District, New Taipei City 24891, Taiwan

Name and address of the factory

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[Additional Information on page 2](#)

Ratings and principal characteristics

Input (All Models): 100-240 Vac, 50/60 Hz, 9 A
O/P: TOTAL OUTPUT POWER 650W (max.)
(For each power module output, see test report for details)

Trademark / Brand (if any)



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

CTF Stage 2

Model / Type Ref.

MP650-aaaaa, MP650-aaab, MP650-aaabd, MP650-aaba, MP650-aabad, MP650-abaa, See Page 2

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

[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

E183223-4789133911-1 Original issued on 2019-12-18

This CB Test Certificate is issued by the National Certification Body



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- 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: 2019-12-24

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

DK-91390-UL

Model Details:

MP650-aaaaa, MP650-aaab, MP650-aaba, MP650-abaa, MP650-baaa, MP650-abbc, MP650-bbac, MP650-bab, MP650-aaabd, MP650-aabad, MP650-abaad, MP650-baaad
(where a=A-X or 1A-1K denote code of power module used and or # denote without install power module; b=2A-2K or 3A-3K denote code of power module used or ## denote without install power module; c=-1, -2 or blank denote the parallel code of power module MS-300 and MS-360 series, d=-7, -8, -9 or blank denote the parallel code of power module MS-210 series; c, d for marketing purpose; detail see test report)

Factories:

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No. 77, Jian-min Road, Dong-qiao, Pan-yang Ind. Park, Huang-dai Town, Xiang-cheng District, Suzhou, Jiangsu 215152
China

MEAN WELL (GUANGZHOU) ELECTRONICS CO., LTD HUADU BRANCH.
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou Guangdong 510890
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YONGDEN TECHNOLOGY CORPORATION
345 MacArthur HighWay Tabang, Guiguinto, Bulacan 3015
Philippines

Additional Information:

Additionally evaluated to EN 62368-1:2014/A11:2017.
National Difference specified in the CB Test Report.

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: 2019-12-24

Signature:

Jan-Erik Storgaard