




Ref. Certif. No.

DK-75876-M3-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 District New Taipei City 24891 Taiwan <a href="#">Additional Information on page 2</a>
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Input: 100-109Vac, 50/60Hz, 6.9-6.3A, 110-240Vac, 50/60Hz, 7.5-3.5A <a href="#">Additional Information on page 2</a>
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	NMP650-aaaa-xx <a href="#">Additional Information on page 2</a>
Additional information (if necessary may also be reported on page 2)	The report was revised to include technical modifications. <b>Summary of Modifications:</b> Added alternative sources of Relay. <b>Additionally evaluated to:</b> EN 62368-1:2014, EN 62368-1:2014/A11:2017 <b>National Differences:</b> EU Group Differences, AU, CA, DK, IT, JP, NZ, GB, US <a href="#">Additional Information on page 2</a>
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	E183223-4791271146-1 Amendment 3 issued on 2024-05-08

This CB Test Certificate is issued by the National Certification Body



- 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](http://www.ul.com/ncbnames)

Date: 2024-05-08

Original Issue Date: 2018-08-21

Signature:

Thomas Wilson



Ref. Certif. No.

DK-75876-M3-UL

**Factory(ies):**

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

Suzhou Mean Well Technology Co Ltd  
No 77, Jian-Min Road, Dong-Qiao, Pan-Yang Industrial Park Huang-Dai Town, Xiang-Cheng District Suzhou, Jiangsu, 215152  
China

YONGDEN TECHNOLOGY CORP  
345 Macarthur Hwy Tabang Guiguinto, Bulacan, 3015  
Philippines

MEAN WELL USA INC  
6655 Troost Ave Kansas City, MO 64131  
United States

Suzhou Mean Well Technology Co Ltd  
No.269, Changping Road 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):**

NMP650-aaaa-xx,  
a = C, D, E, H, K or # for code of different power module  
x = 0-9 for marketing purpose  
Power modules:  
NMS-240-05, NMS-240-12, NMS-240-24, NMS-240-48, NMD-240

**Additional Ratings:**

Output:  
Code C is represented NMS-240-05: 5Vdc, 36A  
Code E is represented NMS-240-12: 12Vdc, 20A  
Code H is represented NMS-240-24: 24Vdc, 10A  
Code K is represented NMS-240-48: 48Vdc, 5A  
Code D is represented NMD-240: V1: 30Vdc, 5A, V2: 30Vdc, 5A, combined power 240W max.  
Total output power: 520W max. (for input 100-109Vac)  
Total output power: 650W max. (for input 110-240Vac)  
Output for Model NMS-240-05: 5Vdc, 36A  
Output for Model NMS-240-12: 12Vdc, 20A  
Output for Model NMS-240-24: 24Vdc, 10A  
Output for Model NMS-240-48: 48Vdc, 5A  
Output for Model NMD-240: V1: 30Vdc, 5A, V2: 30Vdc, 5A, combined power 240W max.

**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](http://www.ul.com/ncbnames)

Date: 2024-05-08  
Original Issue Date: 2018-08-21

Signature:

Thomas Wilson




Ref. Certif. No.

**DK-75876-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 <input checked="" type="checkbox"/> <a href="#">Additional Information on page 2</a>
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Input: 100-109Vac, 50/60Hz, 6.9-6.3A 110-240Vac, 50/60Hz, 7.5-3.5A <input checked="" type="checkbox"/> <a href="#">Additional Information on page 2</a>
Trademark / Brand (if any)	
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	NMP650-aaaa-xx <input checked="" type="checkbox"/> <a href="#">Additional Information on page 2</a>
Additional information (if necessary may also be reported on page 2)	<b>Additionally evaluated to:</b> 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 <input checked="" type="checkbox"/> <a href="#">Additional Information on page 2</a>
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	E183223-4790753891-1 Amendment 2 issued on 2023-06-19


This CB Test Certificate is issued by the National Certification Body



- 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
- UL Solutions (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2023-06-21  
Original Issue Date: 2018-08-21

Signature:   
Thomas Wilson



Ref. Certif. No.

**DK-75876-M2-UL**

**Factory(ies):**

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

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

YONGDEN TECHNOLOGY CORPORATION  
345 MacArthur Highway, Tabang, Guiguinto, Bulacan 3015, Philippines.

MEAN WELL USA INC  
6655 Troost Ave, Kansas City, Missouri 64131, USA

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):**

NMP650-aaaa-xx,  
a = C, D, E, H, K or # for code of different power module  
x = 0-9 for marketing purpose  
Power modules:  
NMS-240-05, NMS-240-12, NMS-240-24, NMS-240-48, NMD-240

**Additional Ratings:**

Output:  
Code C is represented NMS-240-05: 5Vdc, 36A  
Code E is represented NMS-240-12: 12Vdc, 20A  
Code H is represented NMS-240-24: 24Vdc, 10A  
Code K is represented NMS-240-48: 48Vdc, 5A  
Code D is represented NMD-240: V1: 30Vdc, 5A  
V2: 30Vdc, 5A, combined power 240W max.  
Total output power: 520W max. (for input 100-109Vac)  
Total output power: 650W max. (for input 110-240Vac)  
Output for Model NMS-240-05: 5Vdc, 36A  
Output for Model NMS-240-12: 12Vdc, 20A  
Output for Model NMS-240-24: 24Vdc, 10A  
Output for Model NMS-240-48: 48Vdc, 5A  
Output for Model NMD-240: V1: 30Vdc, 5A  
V2: 30Vdc, 5A, combined power 240W max.

**Summary of Modifications:**

1. Add/Update the name and address of factories and applicant's address;
2. Add alternative sources (Taiwan King Pin Terminal Co Ltd, Type 6155C-xx(LF) series) of Primary Connector (CN20, CN21, CN22, CN23).;
3. Add/Update the National Differences.;
4. Update the standards information with bold font mentioned in Table 4.1.2.

**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](http://www.ul.com/ncbnames)

Date: 2023-06-21

Signature:

Original Issue Date: 2018-08-21

Thomas Wilson

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 248,  
Taiwan

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

 Additional Information on page 2

## Ratings and principal characteristics

See Page 2

## Trademark / Brand (if any)



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

## Model / Type Ref.

NMP650-aaaa-xx, See Page 2

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

The report was revised to include Technical Modifications.  
 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

2008052-1-CB-M1 issued on 2020-12-08

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](http://www.ul.com/ncbnames)

Date: 2020-12-15

Signature:

Original Issue Date: 2018-08-21

Jan-Erik Storgaard

## Model Details:

NMP650-aaaa-xx

a = C, D, E, H, K or # for code of different power module;

x = 0-9 for marketing purpose

## Power modules:

NMS-240-05, NMS-240-12, NMS-240-24, NMS-240-48, NMD-240

## Factories:

MEAN WELL (Guangzhou) Electronics Co., Ltd Huadu Branch  
No.11 Jingu South Road, Huadong Town, Huadu District, Guangzhou,  
China

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,  
P.R. China

## YONGDEN TECHNOLOGY CORPORATION

345 MacArthur Highway, Tabang, Guiguinto, Bulacan 3015,  
Philippines

## MEAN WELL USA INC

6655 Troost Ave, Kansas City, MO 64131,  
USA

## Ratings:

## Input:

100-109Vac, 50/60Hz, 6.9-6.3A

110-240Vac, 50/60Hz, 7.5-3.5A

## Output:

Code C is represented NMS-240-05: 5Vdc, 36A

Code E is represented NMS-240-12: 12Vdc, 20A

Code H is represented NMS-240-24: 24Vdc, 10A

Code K is represented NMS-240-48: 48Vdc, 5A

Code D is represented NMD-240: V1: 30Vdc, 5A; V2:

30Vdc, 5A, combined power 240W max.

Total output power: 520W max. (for input 100-109Vac)

Total output power: 650W max. (for input 110-240Vac)

Output for Model NMS-240-05: 5Vdc, 36A

Output for Model NMS-240-12: 12Vdc, 20A

Output for Model NMS-240-24: 24Vdc, 10A

Output for Model NMS-240-48: 48Vdc, 5A

Output for Model NMD-240: V1: 30Vdc, 5A; V2: 30Vdc,

5A, combined power 240W max.

## Additional Information:

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

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

1. Addition of alternate power module and relates output rating.
2. Addition Model.
3. Correction output rating description.
4. Update National Differences.
5. Addition alternate component source.
6. Addition Factories.
7. Correction Applicant's and Manufacturer's Address.
8. correct EN standard on certificate.

## 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](http://www.ul.com/ncbnames)

Date: 2020-12-15

Original Issue Date: 2018-08-21

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-75876-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 Dist., New Taipei City 248 Taiwan

Name and address of the manufacturer

MEAN WELL Enterprises Co., Ltd.  
No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 248 Taiwan.

Name and address of the factory

MEAN WELL Enterprises Co., Ltd.  
No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 248,  
Taiwan

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

[Additional Information on page 2](#)

Ratings and principal characteristics

See Page 2



Trademark (if any)

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

Model / Type Ref.

NMP650-aaaa-xx  
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

1805050-1-CB issued on 2018-08-16

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](http://www.ul.com/ncbnames)

Date: 2018-08-21

Signature:

Jan-Erik Storgaard



Ref. Certif. No.

**DK-75876-UL**

**Model Details:**

NMP650-aaaa-xx a = C, E, H, K or # for different power module,  
x = 0-9 for marketing purpose.

**Power modules:**

NMS-240-05, NMS-240-12, NMS-240-24, NMS-240-48

**Factories:**

MEAN WELL (Guangzhou) Electronics Co., Ltd Huadu Branch  
No.11 Jingu South Road, Huadong Town, Huadu District,Guangzhou,  
China

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,  
P.R. China

**Ratings:**

**Input:**

100-109Vac, 50/60Hz, 6.9-6.3A

110-240Vac, 50/60Hz, 7.5-3.5A

**Output:**

With power module NMS-240-05: 5Vdc, 36A

With power module NMS-240-12: 12Vdc, 20A

With power module NMS-240-24: 24Vdc, 10A

With power module NMS-240-48: 48Vdc, 5A

Total output power: 520W max. (for input 100-109Vac)

Total output power: 650W max. (for input 110-240Vac)

Output for Model NMS-240-05: 5Vdc, 36A

Output for Model NMS-240-12: 12Vdc, 20A

Output for Model NMS-240-24: 24Vdc, 10A

Output for Model NMS-240-48: 48Vdc, 5A

**Additional Information:**

Additionally evaluated to EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/ A2:2013.

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/nbnames](http://www.ul.com/nbnames)

Date: 2018-08-21

Signature:

Jan-Erik Storgaard