

CERTIFICATE

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

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

Product : Battery Charger
Trade name(s) : MEAN WELL
Type(s)/model(s) : NPB-450-12, NPB-450-12NFC, NPB-450-24, NPB-450-24NFC, NPB-450-48, NPB-450-48NFC, NPB-450-72, NPB-450-72NFC, NPP-450-12, NPP-450-24, NPP-450-48 and NPP-450-72

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to EN 60335-1:2012, EN 60335-1:2012/A11:2014, EN 60335-1:2012/A13:2017, EN 60335-1:2012/A1:2019, EN 60335-1:2012/A14:2019, EN 60335-1:2012/A2:2019, EN 60335-1:2012/A15:2021, EN 60335-2-29:2021 and EN 60335-2-29:2021/A1:2021
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6059480

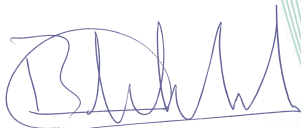
DEKRA hereby grants the right to use the DEKRA Mark.

The DEKRA Mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Mark certification agreement.

This certificate is issued on 2 November 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-119441 REV.3

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



31-119441

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Battery Charger
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: NPB-450-12, NPB-450-12NFC, NPB-450-24, NPB-450-24NFC, NPB-450-48, NPB-450-48NFC, NPB-450-72, NPB-450-72NFC, NPP-450-12, NPP-450-24, NPP-450-48 and NPP-450-72
Rated input voltage	: 100-240 V~
Rated frequency	: 50-60 Hz
Class of insulation	: I
Ambient temperature (ta)	: 50°C

Product data – type NPB-450-12, NPB-450-12NFC and NPP-450-12

Rated input current	: 4,9 A
Rated output voltage	: 14,4 (10,5-21) Vdc
Rated output current	: Max.25 A
Rated output wattage	: Max.420 W

Product data – type NPB-450-24, NPB-450-24NFC and NPP-450-24

Rated input current	: 5,4 A
Rated output voltage	: 28,8 (21-42) Vdc
Rated output current	: Max.13,5 A
Rated output wattage	: Max.453,6 W

Product data – type NPB-450-48, NPB-450-48NFC and NPP-450-48

Rated input current	: 5,4 A
Rated output voltage	: 57,6 (42-80) Vdc
Rated output current	: Max.6,8 A
Rated output wattage	: Max.457 W

Product data – type NPB-450-72, NPB-450-72NFC and NPP-450-72

Rated input current	: 5,4 A
Rated output voltage	: 72 (54-100) Vdc
Rated output current	: Max.5,5 A
Rated output wattage	: Max.462 W

TESTS**Test requirements**

EN 60335-1:2012
EN 60335-1:2012/A11:2014
EN 60335-1:2012/A13:2017
EN 60335-1:2012/A1:2019
EN 60335-1:2012/A14:2019
EN 60335-1:2012/A2:2019
EN 60335-1:2012/A15:2021
EN 60335-2-29:2021
EN 60335-2-29:2021/A1:2021

Test result

The test results are laid down in DEKRA test file 491024200.

Additional information

The product also complies with EN 62233:2008.

This certificate replaces certificate No. 31-119441 REV.2 which we hereby declare invalid.

The list of components is laid down in test report 4910242.51.

Conclusion

The examination proved that all requirements were met.

Factory locations

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

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

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

Trade name(s) : MEAN WELL stands for

