

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 : Independent LED driver
Trade name(s) : MEAN WELL
Type(s)/model(s) : HLG-480H-xy, HLGP-480H-xy

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 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 61347-1:2015/A1:2021 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2175773

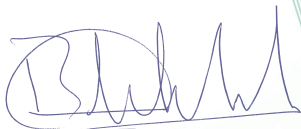
DEKRA hereby grants the right to use the ENEC certification mark.

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

This certificate is issued on 3 May 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-115218 REV.2

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K Xu
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Independent LED driver
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: HLG-480H-24, HLG-480H-24A, HLG-480H-24AB, HLG-480H-24B, HLG-480H-24D2, HLG-480H-24Dx, HLG-480H-30, HLG-480H-30A, HLG-480H-30AB, HLG-480H-30B, HLG-480H-30D2, HLG-480H-30Dx, HLG-480H-36, HLG-480H-36A, HLG-480H-36AB, HLG-480H-36B, HLG-480H-36D2, HLG-480H-36Dx, HLG-480H-42, HLG-480H-42A, HLG-480H-42AB, HLG-480H-42B, HLG-480H-42D2, HLG-480H-42Dx, HLG-480H-48, HLG-480H-48A, HLG-480H-48AB, HLG-480H-48B, HLG-480H-48D2, HLG-480H-48Dx, HLG-480H-54, HLG-480H-54A, HLG-480H-54AB, HLG-480H-54B, HLG-480H-54D2, HLG-480H-54Dx, HLGP-480H-24, HLGP-480H-24A, HLGP-480H-24AB, HLGP-480H-24B, HLGP-480H-30, HLGP-480H-30A, HLGP-480H-30AB, HLGP-480H-30B, HLGP-480H-36, HLGP-480H-36A, HLGP-480H-36AB, HLGP-480H-36B, HLGP-480H-42, HLGP-480H-42A, HLGP-480H-42AB, HLGP-480H-42B, HLGP-480H-48, HLGP-480H-48A, HLGP-480H-48AB, HLGP-480H-48B, HLGP-480H-54, HLGP-480H-54A, HLGP-480H-54AB and HLGP-480H-54B
Rated input voltage	: 100-240 V~
Input current	: 5,5 A
Rated frequency	: 50/60 Hz
Power factor	: 0,95
Ambient temperature (ta)	: 40 °C for 100-200 V 50 °C for 200-240 V
Max. case temperature (tc)	: 90 °C
Class of insulation	: Class I
Description	: Thermal, short-circuit and overload protection with MM signs

Product data – type HLG-480H-24, HLG-480H-24A, HLG-480H-24AB, HLG-480H-24B, HLG-480H-24D2, HLG-480H-24Dx, HLGP-480H-24, HLGP-480H-24A, HLGP-480H-24AB and HLGP-480H-24B

Output rating : 24 Vdc, 20,0 A Rated Power: 480,0 W

Product data – type HLG-480H-30, HLG-480H-30A, HLG-480H-30AB, HLG-480H-30B, HLG-480H-30D2, HLG-480H-30Dx, HLGP-480H-30, HLGP-480H-30A, HLGP-480H-30AB and HLGP-480H-30B

Output rating : 30 Vdc, 16,0 A Rated Power: 480,0 W

Product data – type HLG-480H-36, HLG-480H-36A, HLG-480H-36AB, HLG-480H-36B, HLG-480H-36D2, HLG-480H-36Dx, HLGP-480H-36, HLGP-480H-36A, HLGP-480H-36AB and HLGP-480H-36B

Output rating : 36 Vdc, 13,3 A Rated Power: 478,8 W

Product data – type HLG-480H-42, HLG-480H-42A, HLG-480H-42AB, HLG-480H-42B, HLG-480H-42D2, HLG-480H-42Dx, HLGP-480H-42, HLGP-480H-42A, HLGP-480H-42AB and HLGP-480H-42B

Output rating : 42 Vdc, 11,4 A Rated Power: 478,8 W

Product data – type HLG-480H-48, HLG-480H-48A, HLG-480H-48AB, HLG-480H-48B, HLG-480H-48D2, HLG-480H-48Dx, HLGP-480H-48, HLGP-480H-48A, HLGP-480H-48AB and HLGP-480H-48B

Output rating : 48 Vdc, 10,0 A Rated Power: 480,0 W

Product data – type HLG-480H-54, HLG-480H-54A, HLG-480H-54AB, HLG-480H-54B, HLG-480H-54D2, HLG-480H-54Dx, HLGP-480H-54, HLGP-480H-54A, HLGP-480H-54AB and HLGP-480H-54B

Output rating : 54 Vdc, 8,9 A Rated Power: 480,6 W

TESTS

Test requirements

EN 61347-2-13:2014

EN 61347-2-13:2014/A1:2017

EN 61347-1:2015

EN 61347-1:2015/A1:2021

EN IEC 62384:2020

Test result

The test results are laid down in DEKRA test file 490139800.

Additional information

Model reference:

HLG-480H-xy, HLGP-480H-xy

The “x” can be 24, 30, 36, 42, 48 or 54 to denote the output voltage (unit is Vdc).

“y” can be Blank, A, B, AB, Dx or D2 to denote the optional function for HLG-480H-xy series.

“y” can be Blank, A, B or AB to denote the optional function for HLGP-480H-xy series

This certificate replaces certificate No. 35-115218 REV.1 which we hereby declare invalid.

The list of components is laid down in test report 4901398.50, 4901398.51.

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

Trade name(s) : MEAN WELL stands for



Model list:

Model No.	Input rating	Output rating
HLG-480H-24y; HLGP-480H-24y	5,5 A, 100-240 Vac, 50/60 Hz	24 Vdc, 20,0 A Rated Power: 480,0 W
HLG-480H-30y; HLGP-480H-30y		30 Vdc, 16,0 A Rated Power: 480,0 W
HLG-480H-36y; HLGP-480H-36y		36 Vdc, 13,3 A Rated Power: 478,8 W
HLG-480H-42y; HLGP-480H-42y		42 Vdc, 11,4 A Rated Power: 478,8 W
HLG-480H-48y; HLGP-480H-48y		48 Vdc, 10,0 A Rated Power: 480,0 W
HLG-480H-54y; HLGP-480H-54y		54 Vdc, 8,9 A Rated Power: 480,6 W

Model Encoding:

HLG-480H-xy, HLGP-480H-xy

The “x” can be 24, 30, 36, 42, 48 or 54 to denote the output voltage (unit is Vdc).

“y” can be Blank, A, B, AB, Dx or D2 to denote the optional function for HLG-480H-xy series.

“y” can be Blank, A, B or AB to denote the optional function for HLGP-480H-xy series

Blank : Cable for I/O connection.

A: Can be adjusted through internal potentiometer.

B: Can be adjustable through output cable with 0-10 Vdc or 10 V PWM signal or resistance.

AB: Can be adjusted through internal potentiometer or output cable with 0-10 Vdc or 10 V PWM signal or resistance.

Dx: Smart timer dimming.

D2: Smart timer dimming can be function by user request.

Model difference:

Function mode	Main PCB	Dimming PCB	Dimming/D A wire	Front cover (with or without plastic cap)	IP rating
Blank	Same	Without	Without	Without	67 for HLG-480H, 68 for HLGP-480H
A	Same	Without	Without	With	65 for HLG-480H and HLGP-480H
B	Same	B type	With	Without	67 for HLG-480H, 68 for HLGP-480H
AB	Same	B type	With	With	65 for HLG-480H and HLGP-480H
Dx	Same	D type	Without	Without	67 for HLG-480H only
D2	Same	D type	With	Without	67 for HLG-480H only