

CERTIFICATE

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

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

Product : Independent LED controlgears
Trade name(s) : MEAN WELL
Type(s)/model(s) : HBG-240-xy

The product and any acceptable variation thereto is 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 the standard EN 61347-1:2015, EN 61347-2-13:2014 and EN 61347-2-13:2014/A1:2017
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a 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 of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 18 October 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-106093

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Kreny Lin
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Independent LED controlgears
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: HBG-240-24, HBG-240-24A, HBG-240-24AB, HBG-240-24B, HBG-240-24DA, HBG-240-36, HBG-240-36A, HBG-240-36AB, HBG-240-36B, HBG-240-36DA, HBG-240-48, HBG-240-48A, HBG-240-48AB, HBG-240-48B, HBG-240-48DA, HBG-240-60, HBG-240-60A, HBG-240-60AB, HBG-240-60B and HBG-240-60DA
Rated input voltage	: 100-240 Vac
Rated input current	: 2,5 A
Rated frequency	: 50/60 Hz
Power factor	: 0,95
Max. case temperature (tc)	: 75 °C
Ambient temperature (ta)	: 50 °C
Class of insulation	: Class I
Description	: Constant current mode; Thermal, short-circuit and overload protection;

Product data – type HBG-240-24, HBG-240-24B and HBG-240-24DA

Output voltage	: 25 Vdc Max.
Output current	: 10,0 A
Rated output power	: 240 W
Degree of protection	: IP67

Product data – type HBG-240-24A and HBG-240-24AB

Output voltage	: 25 Vdc Max.
Output current	: 10,0 A
Rated output power	: 240 W
Degree of protection	: IP65

Product data – type HBG-240-36, HBG-240-36B and HBG-240-36DA

Output voltage	: 37 Vdc Max.
Output current	: 6,7 A
Rated output power	: 240 W
Degree of protection	: IP67

Product data – type HBG-240-36A and HBG-240-36AB

Output voltage	: 37 Vdc Max.
Output current	: 6,7 A
Rated output power	: 240 W
Degree of protection	: IP65

Product data – type HBG-240-48, HBG-240-48B and HBG-240-48DA

Output voltage	: 49 Vdc Max.
Output current	: 5,0 A
Rated output power	: 240 W
Degree of protection	: IP67

Product data – type HBG-240-48A and HBG-240-48AB

Output voltage	: 49 Vdc Max.
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Output current : 5,0 A
Rated output power : 240 W
Degree of protection : IP65

Product data – type HBG-240-60, HBG-240-60B and HBG-240-60DA

Output voltage : 62 Vdc Max.
Output current : 4,0 A
Rated output power : 240 W
Degree of protection : IP67

Product data – type HBG-240-60A and HBG-240-60AB

Output voltage : 62 Vdc Max.
Output current : 4,0 A
Rated output power : 240 W
Degree of protection : IP65

TESTS**Test requirements**

EN 61347-1:2015
EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017

Test result

The test results are laid down in DEKRA test file 434720400.

Additional information

The product also considers EN 62384:2006 + A1:2009.

This certificate replaces certificate No. 35-102818 which we herewith declare invalid.

The list of components is laid down at test report 4347204.50.

Conclusion

The examination proved that all requirements were met.

Factory location

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

Trade name(s) : MEAN WELL stands for



Model list:

Model No.	Input rating	Output rating
HBG-240-24y	100-240 V, 50/60 Hz, 2,5 A	Max. 25 Vdc, 10,0 A, 240 W
HBG-240-36y		Max. 37 Vdc, 6,7 A, 240 W
HBG-240-48y		Max. 49 Vdc, 5,0 A, 240 W
HBG-240-60y		Max. 62 Vdc, 4,0 A, 240 W

Model Encoding:

HBG-240-xy

The "x" in the models name HBG-240-xy can be 24, 36, 48 or 60 to denote output voltage.

The "y" in the models name HBG-240-xy can be Blank, A, B, AB or DA to denote function mode option.

Blank: Cable for I/O connection.

A: Constant current level can be adjusted through internal potentiometer.

B: Constant current level adjustable through output cable with 0-10 Vdc or 10 V PWM signal or resistance.

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

DA: DALI function

Model difference:

Function mode	Main PCB	Dimming PCB	Diming/DA wire	Rear cover (with or without plastic cap)	IP
Blank	Same	Without	Without	Without	67
A	Same	Without	Without	With	65
B	Same	B type	With	Without	67
AB	Same	B type	With	With	65
DA	Similar with other models	DA type	With	Without	67