

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 controlgears
Trade name(s) : MEAN WELL
Type(s)/model(s) : 1) NPF-90X-Y; 2) PWM-90-Y; 3) PWM-90-YDA;4) PWM-90-YDA2

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, EN 61347-2-13:2014/A1:2017, EN 62384:2006 and EN 62384:2006/A1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2175773

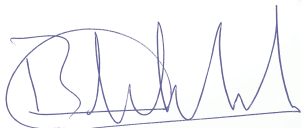
DEKRA hereby grants the right to use the ENEC certification mark.

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 1 December 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-116642

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Independent LED controlgears
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: NPF-90-12, NPF-90-15, NPF-90-20, NPF-90-24, NPF-90-30, NPF-90-36, NPF-90-42, NPF-90-48, NPF-90-54, NPF-90D-12, NPF-90D-15, NPF-90D-20, NPF-90D-24, NPF-90D-30, NPF-90D-36, NPF-90D-42, NPF-90D-48, NPF-90D-54, PWM-90-12, PWM-90-12DA, PWM-90-12DA2, PWM-90-24, PWM-90-24DA, PWM-90-24DA2, PWM-90-36, PWM-90-48 and PWM-90-48DA2
Rated input voltage	: 100-240 V~
Rated frequency	: 50/60 Hz
Class	: Class II
Power factor	: 0,95
Rated input current	: 1,1 A
Degree of protection	: IP67 or IP20
Max. case temperature (tc)	: 85 °C
Ambient temperature (ta)	: 50 °C
Description	: Independent SELV, thermal protection: 110 °C, constant voltage type, MM mark, EL mark (for PWM-90-YDA2)

Product data – type NPF-90-12, NPF-90D-12, PWM-90-12, PWM-90-12DA and PWM-90-12DA2

Output rating : 12 Vdc, 7,5 A, 90 W

Product data – type NPF-90-15 and NPF-90D-15

Output rating : 15 Vdc, 6,0 A, 90 W

Product data – type NPF-90-20 and NPF-90D-20

Output rating : 20 Vdc, 4,5 A, 90 W

Product data – type NPF-90-24, NPF-90D-24, PWM-90-24, PWM-90-24DA and PWM-90-24DA2

Output rating : 24 Vdc, 3,75 A, 90 W

Product data – type NPF-90-30 and NPF-90D-30

Output rating : 30 Vdc, 3,0 A, 90 W

Product data – type NPF-90-36, NPF-90D-36 and PWM-90-36

Output rating : 36 Vdc, 2,5 A

Product data – type NPF-90-42 and NPF-90D-42

Output rating : 42 Vdc, 2,15 A, 90,3 W

Product data – type NPF-90-48, NPF-90D-48, PWM-90-48 and PWM-90-48DA2

Output rating : 48 Vdc, 1,88 A, 90,24 W

Product data – type NPF-90-54 and NPF-90D-54

Output rating : 54 Vdc, 1,67 A, 90,18 W

TESTS

Test requirements

EN 61347-1:2015
EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 62384:2006
EN 62384:2006/A1:2009

Test result

The test results are laid down in DEKRA test file 436805900.

Additional information

Note:

1) NPF-90X-Y:

The "X" in the model name can be D or blank to denote with dimming function (D) or without (blank),
The "Y" in the model name can be 12, 15, 20, 24, 30, 36, 42, 48 or 54 to denote output voltage in volt.

2) PWM-90-Y:

The "Y" in the models name can be 12, 24, 36 or 48 to denote output voltage in volt.

3) PWM-90-YDA:

The "Y" in the models name can be 12 or 24 to denote output voltage in volt.

4) PWM-90-YDA2:

The "Y" in the models name can be 12, 24 or 48 to denote output voltage in volt.

This certificate replaces certificate No. 35-107322 which we hereby declare invalid.

The list of components is laid down in test report 4368059.50, 4368059.51.

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,
Guangzhou 510890, Guangdong, China

Trade name : MEAN WELL stands for

