

# 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) : NPF-120-12, NPF-120-15, NPF-120-20, NPF-120-24, NPF-120-30, NPF-120-36, NPF-120-42, NPF-120-48, NPF-120-54, NPF-120D-12, NPF-120D-12BE, NPF-120D-15, NPF-120D-15BE, NPF-120D-20, NPF-120D-20BE, NPF-120D-24, NPF-120D-24BE, NPF-120D-30, NPF-120D-30BE, NPF-120D-36, NPF-120D-36BE, NPF-120D-42, NPF-120D-42BE, NPF-120D-48, NPF-120D-48BE, NPF-120D-54, NPF-120D-54BE, PWM-120-12, PWM-120-12DA, PWM-120-12DA2, PWM-120-12KNBSTzz, PWM-120-12KNzz, PWM-120-24, PWM-120-24DA, PWM-120-24DA2, PWM-120-24KNBSTzz, PWM-120-24KNzz, PWM-120-36 and PWM-120-48

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

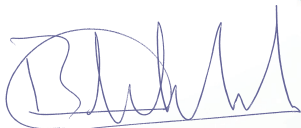
DEKRA hereby grants the right to use the ENEC certification mark.

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

Certificate number: 35-116658

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



R Zhou  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Independent LED controlgears
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: NPF-120-12, NPF-120-15, NPF-120-20, NPF-120-24, NPF-120-30, NPF-120-36, NPF-120-42, NPF-120-48, NPF-120-54, NPF-120D-12, NPF-120D-12BE, NPF-120D-15, NPF-120D-15BE, NPF-120D-20, NPF-120D-20BE, NPF-120D-24, NPF-120D-24BE, NPF-120D-30, NPF-120D-30BE, NPF-120D-36, NPF-120D-36BE, NPF-120D-42, NPF-120D-42BE, NPF-120D-48, NPF-120D-48BE, NPF-120D-54, NPF-120D-54BE, PWM-120-12, PWM-120-12DA, PWM-120-12DA2, PWM-120-12KNBSTzz, PWM-120-12KNzz, PWM-120-24, PWM-120-24DA, PWM-120-24DA2, PWM-120-24KNBSTzz, PWM-120-24KNzz, PWM-120-36 and PWM-120-48
Rated input voltage	: 100-240 V~
Rated frequency	: 50/60 Hz
Class of insulation	: Class II
Power factor	: 0,95
Rated input current	: 1,5 A
Max. case temperature (tc)	: 90 °C
Additional information	: Independent SELV, thermal protection: 110 °C, constant voltage type, MM mark, EL mark (for PWM-120-12DA2, PWM-120-24DA2)

**Product data – type NPF-120-12, NPF-120D-12, PWM-120-12, PWM-120-12DA and PWM-120-12DA2**

Degree of protection	: IP67
Ambient temperature (ta)	: 40 °C
Rated output voltage	: 12 Vdc, constant voltage type
Rated output current	: 10 A
Rated output power	: 120 W

**Product data – type NPF-120-15 and NPF-120D-15**

Degree of protection	: IP67
Ambient temperature (ta)	: 40 °C
Rated output voltage	: 15 Vdc, constant voltage type
Rated output current	: 8 A
Rated output power	: 120 W

**Product data – type NPF-120-20 and NPF-120D-20**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 20 Vdc, constant voltage type
Rated output current	: 6 A
Rated output power	: 120 W

**Product data – type NPF-120-24, NPF-120D-24, PWM-120-24, PWM-120-24DA and PWM-120-24DA2**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 24 Vdc, constant voltage type
Rated output current	: 5 A
Rated output power	: 120 W

**Product data – type NPF-120-30 and NPF-120D-30**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 30 Vdc, constant voltage type
Rated output current	: 4 A
Rated output power	: 120 W

**Product data – type NPF-120-36, NPF-120D-36 and PWM-120-36**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 36 Vdc, constant voltage type
Rated output current	: 3,4 A
Rated output power	: 122,4 W

**Product data – type NPF-120-42 and NPF-120D-42**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 42 Vdc, constant voltage type
Rated output current	: 2,9 A
Rated output power	: 121,8 W

**Product data – type NPF-120-48, NPF-120D-48 and PWM-120-48**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 48 Vdc, constant voltage type
Rated output current	: 2,5 A
Rated output power	: 120 W

**Product data – type NPF-120-54 and NPF-120D-54**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 54 Vdc, constant voltage type
Rated output current	: 2,3 A
Rated output power	: 124,2 W

**Product data – type NPF-120D-12BE**

Degree of protection	: IP67
Ambient temperature (ta)	: 40 °C
Rated output voltage	: 12 Vdc, constant voltage type
Rated output current	: 10 A
Rated output power	: 120 W
Rated AUX output voltage	: 12 Vdc, constant voltage type
Rated AUX output current	: 200 mA
Rated AUX output power	: 2,4 W

**Product data – type NPF-120D-15BE**

Degree of protection	: IP67
Ambient temperature (ta)	: 40 °C
Rated output voltage	: 15 Vdc, constant voltage type
Rated output current	: 8 A
Rated output power	: 120 W
Rated AUX output voltage	: 12 Vdc, constant voltage type

Rated AUX output current : 200 mA  
Rated AUX output power : 2,4 W

**Product data – type NPF-120D-20BE**

Degree of protection : IP67  
Ambient temperature (ta) : 45 °C  
Rated output voltage : 20 Vdc, constant voltage type  
Rated output current : 6 A  
Rated output power : 120 W  
Rated AUX output voltage : 12 Vdc, constant voltage type  
Rated AUX output current : 200 mA  
Rated AUX output power : 2,4 W

**Product data – type NPF-120D-24BE**

Degree of protection : IP67  
Ambient temperature (ta) : 45 °C  
Rated output voltage : 24 Vdc, constant voltage type  
Rated output current : 5 A  
Rated output power : 120 W  
Rated AUX output voltage : 12 Vdc, constant voltage type  
Rated AUX output current : 200 mA  
Rated AUX output power : 2,4 W

**Product data – type NPF-120D-30BE**

Degree of protection : IP67  
Ambient temperature (ta) : 45 °C  
Rated output voltage : 30 Vdc, constant voltage type  
Rated output current : 4 A  
Rated output power : 120 W  
Rated AUX output voltage : 12 Vdc, constant voltage type  
Rated AUX output current : 200 mA  
Rated AUX output power : 2,4 W

**Product data – type NPF-120D-36BE**

Degree of protection : IP67  
Ambient temperature (ta) : 45 °C  
Rated output voltage : 36 Vdc, constant voltage type  
Rated output current : 3,4 A  
Rated output power : 122,4 W  
Rated AUX output voltage : 12 Vdc, constant voltage type  
Rated AUX output current : 200 mA  
Rated AUX output power : 2,4 W

**Product data – type NPF-120D-42BE**

Degree of protection : IP67  
Ambient temperature (ta) : 45 °C  
Rated output voltage : 42 Vdc, constant voltage type  
Rated output current : 2,9 A  
Rated output power : 121,8 W  
Rated AUX output voltage : 12 Vdc, constant voltage type  
Rated AUX output current : 200 mA  
Rated AUX output power : 2,4 W

**Product data – type NPF-120D-48BE**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 48 Vdc, constant voltage type
Rated output current	: 2,5 A
Rated output power	: 120 W
Rated AUX output voltage	: 12 Vdc, constant voltage type
Rated AUX output current	: 200 mA
Rated AUX output power	: 2,4 W

**Product data – type NPF-120D-54BE**

Degree of protection	: IP67
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 54 Vdc, constant voltage type
Rated output current	: 2,3 A
Rated output power	: 124,2 W
Rated AUX output voltage	: 12 Vdc, constant voltage type
Rated AUX output current	: 200 mA
Rated AUX output power	: 2,4 W

**Product data – type PWM-120-12KNBSTzz and PWM-120-12KNzz**

Degree of protection	: IP20
Ambient temperature (ta)	: 40 °C
Output voltage	: 12 Vdc, constant voltage type
Rated output current	: 10 A
Rated output power	: 120 W

**Product data – type PWM-120-24KNBSTzz and PWM-120-24KNzz**

Degree of protection	: IP20
Ambient temperature (ta)	: 45 °C
Rated output voltage	: 24 Vdc, constant voltage type
Rated output current	: 5 A
Rated output power	: 120 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 436806000.

**Additional information**

Note: the “z” in the models name can be blank, 0-9 or A to Z, denote different encryption protocol for KNX program.

This certificate replaces certificate No. 35-112093 which we hereby declare invalid.

The list of components is laid down in test report 4368060.50, 4368060.51.

**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

