

# 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-200X-Y, PWM-200-YZ

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(s) 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 factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2175773

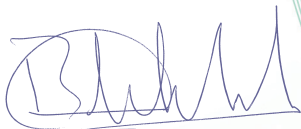
DEKRA hereby grants the right to use the ENEC certification mark.

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 14 April 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-118613

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-200-12, NPF-200-24, NPF-200-36, NPF-200-42, NPF-200-48, NPF-200-54, NPF-200V-12, NPF-200V-24, NPF-200V-36, NPF-200V-42, NPF-200V-48, NPF-200V-54, PWM-200-12, PWM-200-12DA2, PWM-200-12KN, PWM-200-24, PWM-200-24DA2, PWM-200-24KN, PWM-200-36, PWM-200-36DA2, PWM-200-36KN, PWM-200-48, PWM-200-48DA2 and PWM-200-48KN
Rated input voltage	: 110-277 V~
Rated input current	: 2,2 A
Rated frequency	: 50/60 Hz
Max. case temperature (tc)	: 85 °C
Ambient temperature (ta)	: 40 °C
Power factor	: 0,95
Class of insulation	: Class II
Additional information	: SELV Independent controlgear, non-inherently short-circuit proof, 110 °C thermal protection, MM mark, EL mark

**Product data – type NPF-200-12 and NPF-200V-12**

Output	: 12 Vdc, 15 A, max.13 V, 180 W, CC+CV mode
IP degree	: IP67

**Product data – type NPF-200-24 and NPF-200V-24**

Output	: 24 Vdc, 8,3 A, max.25 V, 199,2 W, CC+CV mode
IP degree	: IP67

**Product data – type NPF-200-36 and NPF-200V-36**

Output	: 36 Vdc, 5,55 A, max.37 V, 199,8 W, CC+CV mode
IP degree	: IP67

**Product data – type NPF-200-42 and NPF-200V-42**

Output	: 42 Vdc, 4,75 A, max.43 V, 199,5 W, CC+CV mode
IP degree	: IP67

**Product data – type NPF-200-48 and NPF-200V-48**

Output	: 48 Vdc, 4,17 A, max.49 V, 200,1 W, CC+CV mode
IP degree	: IP67

**Product data – type NPF-200-54 and NPF-200V-54**

Output	: 54 Vdc, 3,71 A, max.55 V, 200,3 W, CC+CV mode
IP degree	: IP67

**Product data – type PWM-200-12 and PWM-200-12DA2**

Output	: 12 Vdc, 15 A, 180 W, CV mode
IP degree	: IP67

**Product data – type PWM-200-12KN**

Output : 12 Vdc, 15 A, 180 W, CV mode  
IP degree : IP20

**Product data – type PWM-200-24 and PWM-200-24DA2**

Output : 24 Vdc, 8,3 A, 199,2 W, CV mode  
IP degree : IP67

**Product data – type PWM-200-24KN**

Output : 24 Vdc, 8,3 A, 199,2 W, CV mode  
IP degree : IP20

**Product data – type PWM-200-36 and PWM-200-36DA2**

Output : 36 Vdc, 5,55 A, max.37 V,199,8 W, CV mode  
IP degree : IP67

**Product data – type PWM-200-36KN**

Output : 36 Vdc, 5,55 A, max.37 V,199,8 W, CV mode  
IP degree : IP20

**Product data – type PWM-200-48 and PWM-200-48DA2**

Output : 48 Vdc, 4,17 A, 200,1 W, CV mode  
IP degree : IP67

**Product data – type PWM-200-48KN**

Output : 48 Vdc, 4,17 A, 200,1 W, CV mode  
IP degree : IP20

**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 report 437169300.

**Additional information**

The list of components is laid down in test report 4371693.50, 4371693.51.

**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  
510890 Guangzhou Guangdong, China

Trade name : MEAN WELL stands for



### Model/Type reference:

NPF-200X-Y:

the "X" in the model name can be V or blank to denote with dimming function (V) or without (blank).

the "Y" in the model name can be 12, 24, 36, 42, 48 or 54 to denote output voltage in volt.

PWM-200-YZ:

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

the "Z" in the model name can be KN, DA2 or blank to denote different dimming function.

### Model list:

Models	Character	Main board	Sub board	Transformer type	IP degree
NPF-200-12	Output: 12 Vdc, 15 A, max.13 V, 180 W, CC+CV mode	NPF-200A	None	TF-7082	IP67
NPF-200V-12		NPF-200A	Dimming board (NPF-200B)	TF-7082	IP67
PWM-200-12	Output: 12 Vdc, 15 A, 180 W, CV mode	PWM-200A	3 in 1 dimming board (PWM-200B)	TF-7082	IP67
PWM-200-12DA2		PWM-200A	DA2 board (PWM-200D)	TF-7082	IP67
PWM-200-12KN		PWM-200A	KN board (PWM-200C)	TF-7082	IP20
NPF-200-24	Output: 24 Vdc, 8,3 A, max.25 V, 199,2 W, CC+CV mode	NPF-200A	None	TF-7083	IP67
NPF-200V-24		NPF-200A	Dimming board (NPF-200B)	TF-7083	IP67
PWM-200-24	Output: 24 Vdc, 8,3 A, 199,2 W, CV mode	PWM-200A	3 in 1 dimming board (PWM-200B)	TF-7083	IP67
PWM-200-24DA2		PWM-200A	DA2 board (PWM-200D)	TF-7083	IP67
PWM-200-24KN		PWM-200A	KN board (PWM-200C)	TF-7083	IP20
NPF-200-36	Output: 36 Vdc, 5,55 A, max.37 V, 199,8 W, CC+CV mode	NPF-200A	None	TF-7084	IP67
NPF-200V-36		NPF-200A	Dimming board (NPF-200B)	TF-7084	IP67
PWM-200-36	Output: 36 Vdc, 5,55 A, max.37 V, 199,8 W, CV mode	PWM-200A	3 in 1 dimming board (PWM-200B)	TF-7084	IP67
PWM-200-36DA2		PWM-200A	DA2 board (PWM-200D)	TF-7084	IP67
PWM-200-36KN		PWM-200A	KN board (PWM-200C)	TF-7084	IP20
NPF-200-42	Output: 42 Vdc,	NPF-200A	None	TF-7085	IP67

NPF-200V-42	4,75 A, max.43 V,199,5 W, CC+CV mode	NPF-200A	Dimming board (NPF-200B)	TF-7085	IP67
NPF-200-48	Output: 48 Vdc, 4,17 A, max.49 V, 200,1 W, CC+CV mode	NPF-200A	None	TF-7086	IP67
NPF-200V-48		NPF-200A	Dimming board (NPF-200B)	TF-7086	IP67
PWM-200-48		PWM-200A	3 in 1 dimming board (PWM-200B)	TF-7086	IP67
PWM-200-48DA2	Output: 48 Vdc, 4,17 A, 200,1 W, CV mode	PWM-200A	DA2 board (PWM-200D)	TF-7086	IP67
PWM-200-48KN		PWM-200A	KN board (PWM-200C)	TF-7086	IP20
NPF-200-54		NPF-200A	None	TF-7087	IP67
NPF-200V-54	Output: 54 Vdc, 3,71 A, max.55 V,200,3 W, CC+CV mode	NPF-200A	Dimming board (NPF-200B)	TF-7087	IP67