

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Independent LED controlgears

Name and address of the applicant

MEAN WELL Enterprises Co., Ltd.
No.28, Wuquan 3rd Rd, Wugu District, 24891 New Taipei City
Taiwan

Name and address of the manufacturer

MEAN WELL Enterprises Co., Ltd.
No.28, Wuquan 3rd Rd, Wugu District, 24891 New Taipei City
Taiwan

Name and address of the factory

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

When more than one factory, please report on page
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 Additional information on page 2

Ratings and principal characteristics

Product data

Ratings: IP20 for model PWM-60-xyzz;
IP67 for other models;
Class II, ta: 50 °C, tc: 85 °C, λ: 0,95, independent SELV,
thermal protection: 110 °C, constant voltage type, MM mark,
EL mark (for PWM-60-12DA2, PWM-60-24 DA2)
Other information sees model list of test report.

Product data – type NPF-40y-z and PWM-40-y

Ratings:
100-240 Vac, 0,6 A, 50/60 Hz

**Product data – type NPF-60-24PM1, NPF-60-24PM2, NPF-60y-z,
PWM-60-xyzz, PWM-60-y, PWM-60-yDA and PWM-60-yDA2**

Ratings:
100-240 Vac, 0,8 A, 50/60 Hz

Trademark / Brand (if any)



MEAN WELL

Customer's Testing Facility (CTF) Stage
used

Model / Type Ref.

NPF-40y-z, NPF-60-24PM1, NPF-60-24PM2, NPF-60y-z, PWM-40-y,

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DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands



Date: 5 December 2023

Signature: K. Lin



Ref. Certif. No.

NL-102171

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Additional information (if necessary may also be reported on page 2)

A sample of the product was tested and found to be in conformity with

As shown in the Test Report Ref. No. which forms part of this Certificate

PWM-60-xyzz, PWM-60-y, PWM-60-yDA and PWM-60-yDA2

Additional information on page 2

IEC 61347-1:2015, IEC 61347-1:2015/AMD1:2017, IEC 61347-2-13:2014 and IEC 61347-2-13:2014/AMD1:2016

National differences:

AU, EU Group Differences, EU Special National Conditions, GB, NZ

4903082.50

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**IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME****Additional factory**

MEAN WELL Enterprises Co., Ltd.
No.28, Wuquan 3rd Rd, Wugu District, 24891 New Taipei City
Taiwan

SuZhou MEAN WELL Technology Co., Ltd.
No.269, Changping Road, Huangdai Town, Xiangcheng District, 215152 Suzhou Jiangsu
China

MEAN WELL INDIA ELECTRONICS PRIVATE LIMITEED
9C, Peenya industrial area, Chokkasandra, 2ND PHASE, PEENYA, Bengaluru (Bangalore) Urban, Karnataka, 560058
India

YONGDEN TECHNOLOGY CORPORATION
345 MacArthur Highway Tabang, 3015 Guiguinto, Bulacan
Philippines

Additional information

Model/Type reference:

1) NPF-xy-z:

The "x" in the model name can be 40 or 60 to denote output wattage in watt;

The "y" in the model name can be D or blank to denote with dimming function (D) or without (blank);

The "z" in the model name can be 12, 15, 20, 24, 30, 36, 42, 48 or 54 to denote output voltage in volt.

2) PWM-x-y:

The "x" in the model name can be 40 or 60 to denote output wattage in watt;

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

3) PWM-60-yDA, PWM-60-yDA2:

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

4) PWM-60-xyzz

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

The "y" in the models name can be KN or KNBST to denote with or without connector on KNX dimming wire.

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

5) NPF-60-24PM1, NPF-60-24PM2

Model details refer to annex page 1-2.

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Model List

Model No.	Output rating	Main PCB	Dimming PCB	Transformer type
NPF-40-12	12 Vdc, 3,34 A	A	None	TF-6596
NPF-40D-12		A1	Dimming board	
PWM-40-12		B	PWM board	
NPF-40-15	15 Vdc, 2,67 A	A	None	TF-6597
NPF-40D-15		A1	Dimming board	
NPF-40-20	20 Vdc, 2,0 A	A	None	TF-6598
NPF-40D-20		A1	Dimming board	
NPF-40-24	24 Vdc, 1,67 A	A	None	TF-6599
NPF-40D-24		A1	Dimming board	
PWM-40-24		B	PWM board	
NPF-40-30	30 Vdc, 1,34 A	A	None	TF-6600
NPF-40D-30		A1	Dimming board	
NPF-40-36	36 Vdc, 1,12 A	A	None	TF-6601
NPF-40D-36		A1	Dimming board	
PWM-40-36		B	PWM board	
NPF-40-42	42 Vdc, 0,96 A	A	None	TF-6602
NPF-40D-42		A1	Dimming board	
NPF-40-48	48 Vdc, 0,84 A	A	None	TF-6603
NPF-40D-48		A1	Dimming board	
PWM-40-48		B	PWM board	
NPF-40-54	54 Vdc, 0,76 A	A	None	TF-6604
NPF-40D-54		A1	Dimming board	
NPF-60-12	12 Vdc, 5,0 A	A	None	TF-6596
NPF-60D-12		A1	Dimming board	
PWM-60-12		B	PWM board	
PWM-60-12DA		C	DA board	TF-6596A
PWM-60-12DA2		D	DA2 board	
PWM-60-12KNzz		E	KN board	
PWM-60-12KNBSTzz		E	KN board	
NPF-60-15	15 Vdc, 4,0 A	A	None	TF-6597
NPF-60D-15		A1	Dimming board	
NPF-60-20	20 Vdc, 3,0 A	A	None	TF-6598
NPF-60D-20		A1	Dimming board	
NPF-60-24	24 Vdc, 2,5 A	A	None	TF-6599
NPF-60-24PM1		A	None	
NPF-60-24PM2		A	None	
NPF-60D-24		A1	Dimming board	
PWM-60-24		B	PWM board	

PWM-60-24DA		C	DA board	TF-6599A
PWM-60-24DA2		D	DA2 board	
PWM-60-24KNzz		E	KN board	
PWM-60-24KNBSTzz		E	KN board	
NPF-60-30	30 Vdc, 2,0 A	A	None	TF-6600
NPF-60D-30		A1	Dimming board	
NPF-60-36	36 Vdc, 1,67 A	A	None	TF-6601
NPF-60D-36		A1	Dimming board	
PWM-60-36		B	PWM board	
NPF-60-42	42 Vdc, 1,43 A	A	None	TF-6602
NPF-60D-42		A1	Dimming board	
NPF-60-48	48 Vdc, 1,25 A	A	None	TF-6603
NPF-60D-48		A1	Dimming board	
PWM-60-48		B	PWM board	
NPF-60-54	54 Vdc, 1,12 A	A	None	TF-6604
NPF-60D-54		A1	Dimming board	
Note1: All transformers are identical to each other except number of turns of secondary. Note 2: "z" in model PWM-60-12KNzz, PWM-60-12KNBSTzz, PWM-60-24KNzz and PWM-60-24KNBSTzz can be blank, 0-9 or A to Z, denote different encryption protocol for KNX program.				