

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) : APV-12-x , APV-16-x, APV-12E-x, APV-16E-x

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 29 March 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-103303

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Kreny Lin
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Independent LED controlgears
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: APV-12-12, APV-12-15, APV-12-24, APV-12-5, APV-12E-12, APV-12E-15, APV-12E-24, APV-12E-5, APV-16-12, APV-16-15, APV-16-24, APV-16-5, APV-16E-12, APV-16E-15, APV-16E-24 and APV-16E-5
Nature of supply	: a.c.
Rated frequency	: 50/60 Hz
Max. case temperature (tc)	: 70 °C
Class of insulation	: Class II
Degree of protection	: IP42
Description	: Constant voltage mode Thermal, short-circuit and overload protection

Product data – type APV-12E-12, APV-12E-15, APV-12E-24 and APV-12E-5

Rated input voltage	: 200-240 Vac
Rated input current	: 0,2 A

Product data – type APV-12-12, APV-12-15, APV-12-24 and APV-12-5

Rated input voltage	: 100-240 Vac
Rated input current	: 0,35 A

Product data – type APV-16E-12, APV-16E-15, APV-16E-24 and APV-16E-5

Rated input voltage	: 200-240 Vac,
Rated input current	: 0,3 A

Product data – type APV-16-12, APV-16-15, APV-16-24 and APV-16-5

Rated input voltage	: 100-240 Vac
Rated input current	: 0,5 A

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 434255800.

Additional information

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

The list of components is laid down at test report 4342558.50.

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,
Guangzhou City, Guangdong Province, China

Trade name(s) : MEAN WELL stands for



Model description:

APV-12-x , APV-16-x, APV-12E-x, APV-16E-x

The "x" in the models name can be 5, 12, 15 or 24 to denote different output voltage.

Model list:

Model No.	Input rating	Output rating	ta	tc	PF	Potting compound
APV-12-5	0,35 A, 100-240 Vac 50/60 Hz	5 V, 2 A	45°C	70°C	0,4C	Without
APV-12-12		12 V, 1 A				
APV-12-15		15 V, 0,8 A				
APV-12-24		24 V, 0,5 A				
APV-12E-5	0,2 A 200-240 Vac. 50/60 Hz	5 V, 2 A	45°C	70°C	0,5C	Without
APV-12E-12		12 V, 1 A				
APV-12E-15		15 V, 0,8 A				
APV-12E-24		24 V, 0,5 A				
APV-16-5	0,5 A 100-240 Vac, 50/60 Hz	5 V, 2,6 A	40°C	70°C	0,5C	A half
APV-16-12		12 V, 1,25 A				
APV-16-15		15 V, 1 A				
APV-16-24		24 V, 0,67 A				
APV-16E-5	0,3 A 200-240 Vac 50/60 Hz	5 V, 2,6 A	40°C	70°C	0,5C	A half
APV-16E-12		12 V, 1,25 A				
APV-16E-15		15 V, 1 A				
APV-16E-24		24 V, 0,67 A				