

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) : HVGC-1000-H, HVGC-1000-H-AB, HVGC-1000-H-D2, HVGC-1000-H-DA, HVGC-1000-H-Dx, HVGC-1000-L-AB, HVGC-1000-L-D2, HVGC-1000-L-DA, HVGC-1000-L-Dx, HVGC-1000-L-Y, HVGC-1000-M, HVGC-1000-M-AB, HVGC-1000-M-D2, HVGC-1000-M-DA, HVGC-1000-M-Dx, HVGC-1000A-H, HVGC-1000A-H-AB, HVGC-1000A-H-D2, HVGC-1000A-H-DA, HVGC-1000A-H-Dx, HVGC-1000A-L, HVGC-1000A-L-AB, HVGC-1000A-L-D2, HVGC-1000A-L-DA, HVGC-1000A-L-Dx, HVGC-1000A-M, HVGC-1000A-M-AB, HVGC-1000A-M-D2, HVGC-1000A-M-DA and HVGC-1000A-M-Dx

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 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 62384:2006/A1:2009 and EN 62384:2006
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2175773

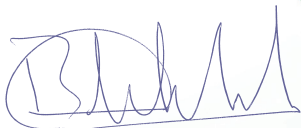
DEKRA hereby grants the right to use the ENEC certification mark.

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.

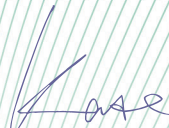
This certificate is issued on 25 August 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-109960

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K Xu
Certification Manager

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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)	: HVGC-1000-H, HVGC-1000-H-AB, HVGC-1000-H-D2, HVGC-1000-H-DA, HVGC-1000-H-Dx, HVGC-1000-L-AB, HVGC-1000-L-D2, HVGC-1000-L-DA, HVGC-1000-L-Dx, HVGC-1000-L-Y, HVGC-1000-M, HVGC-1000-M-AB, HVGC-1000-M-D2, HVGC-1000-M-DA, HVGC-1000-M-Dx, HVGC-1000A-H, HVGC-1000A-H-AB, HVGC-1000A-H-D2, HVGC-1000A-H-DA, HVGC-1000A-H-Dx, HVGC-1000A-L, HVGC-1000A-L-AB, HVGC-1000A-L-D2, HVGC-1000A-L-DA, HVGC-1000A-L-Dx, HVGC-1000A-M, HVGC-1000A-M-AB, HVGC-1000A-M-D2, HVGC-1000A-M-DA and HVGC-1000A-M-Dx
Rated input voltage	: 200-220 V~, 230-400 V~
Rated frequency	: 50/60 Hz
Max. case temperature (tc)	: 90 °C
Ambient temperature (ta)	: 45 °C
Power factor	: 0,95
Class of insulation	: Class I
Degree of protection	: IP67
Additional information	: Thermal, short-circuit and overload protection.

TESTS**Test requirements**

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

Test result

The test results are laid down in DEKRA test file 435612400.

Additional information

The list of components is laid down at test report 4356124.50 + 4356124.51.

Conclusion

The examination proved that all requirements were met.

Factory locations

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

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

Trade name(s) : MEAN WELL stands for


Model list:

Model No	Input voltage (V)	Input current (A)	Output voltage (Vdc)	Output current (mA)	Max. Output power (W)
HVGC-1000-L-Y	200-220	5,5	150-380, Max. 400	2296	702,2
	230-400	5,0	150-380, Max. 400	3280	1003,2
HVGC-1000-M-Y	200-220	5,5	95-240, Max. 250	3675	705,6
	230-400	5,0	95-240, Max. 250	5250	1008
HVGC-1000-H-Y	200-220	5,5	70-180, Max. 190	4900	705,6
	230-400	5,0	70-180, Max. 190	7000	1008
HVGC-1000A-L-Y	200-220	5,5	V _O : 150-380, Max. 400 V _{AUX} : 12	I _O : 2296 I _{AUX} : 500	W _O : 702,2 W _{AUX} : 6
	230-400	5,0	V _O : 150-380 Max. 400, V _{AUX} : 12	I _O : 3280 I _{AUX} : 500	W _O : 1008 W _{AUX} : 6
HVGC-1000A-M-Y	200-220	5,5	V _O : 95-240, Max. 250, V _{AUX} : 12	I _O : 3675 I _{AUX} : 500	W _O : 705,6 W _{AUX} : 6
	230-400	5,0	V _O : 95-240, Max. 250, V _{AUX} : 12	I _O : 5250 I _{AUX} : 500	W _O : 1008 W _{AUX} : 6
HVGC-1000A-H-Y	200-220	5,5	V _O : 70-180, Max. 190, V _{AUX} : 12	I _O : 4900 I _{AUX} : 500	W _O : 705,6 W _{AUX} : 6
	230-400	5,0	V _O : 70-180, Max. 190, V _{AUX} : 12	I _O : 7000 I _{AUX} : 500	W _O : 1008 W _{AUX} : 6

Model Encoding:

HVGC-1000-X-Y, HVGC-1000A-X-Y

X= L, M or H

Y= Blank, AB, D2, Dx, DA or Blank define for dimming function mode.

Blank: Cable for I/O connection.

AB: Constant current level can be adjusted through internal potentiometer or output cable with 0-10 Vdc or 10 V PWM signal or resistance.

D2: Smart timer dimming can be programmed by output cable.

Dx: Smart timer dimming.

DA: DALI function

Model difference:

Function mode	Main PCB	Small board	Diming wire	Front cover (with or without plastic cap)	IP
blank	Same	N/A	Without	Without	67
AB	Same	1ZZ2HVGC-100E	With (DIM)	With	67
Dx	Same	1ZZ2HVGC-480E	Without	Without	67
D2	Same	1ZZ2HVGC-480E	With (PROG)	Without	67
DA	Same	1ZZ2HVGC-100DA2	With (DA)	With	67