

# 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 controlgear  
Trade name(s) : MEAN WELL  
Type(s)/model(s) : HLG-xH-Cyz

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 and EN 61347-1:2015
- 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 13 June 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-104439

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Kreny Lin  
Certification Manager

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

|                            |  |
|----------------------------|--|
| Product                    | : Independent LED controlgear  |
| Trade name(s)              | : MEAN WELL  |
| Type(s)/model(s)           | : HLG-120H-C1050A, HLG-120H-C1050AB, HLG-120H-C1050B, HLG-120H-C1050D, HLG-120H-C1400A, HLG-120H-C1400AB, HLG-120H-C1400B, HLG-120H-C1400D, HLG-120H-C350A, HLG-120H-C350AB, HLG-120H-C350B, HLG-120H-C350D, HLG-120H-C500A, HLG-120H-C500AB, HLG-120H-C500B, HLG-120H-C500D, HLG-120H-C700A, HLG-120H-C700AB, HLG-120H-C700B, HLG-120H-C700D, HLG-185H- C500A, HLG-185H- C500AB, HLG-185H- C500B, HLG-185H- C500D, HLG-185H-C1050A, HLG-185H-C1050AB, HLG-185H-C1050B, HLG-185H-C1050D, HLG-185H-C1400A, HLG-185H-C1400AB, HLG-185H-C1400B, HLG-185H-C1400D, HLG-185H-C700A, HLG-185H-C700AB, HLG-185H-C700B and HLG-185H-C700D |
| Rated input voltage        | : 100-240 V~   |
| Rated frequency            | : 50/60 Hz   |
| Power factor               | : 0,95   |
| Max. case temperature (tc) | : 90 °C  |
| Class of insulation        | : Class I  |
| Description                | : Thermal, short-circuit and overload protection with MM signs   |

**Product data – type HLG-120H-C1050A, HLG-120H-C1050AB, HLG-120H-C1050B and HLG-120H-C1050D**

|                          |           |
|--------------------------|-----------|
| Input current            | : 1,85 A  |
| Output voltage           | : 148 Vdc |
| Output current           | : 1,05 A  |
| Rated power              | : 155,4 W |
| Ambient temperature (ta) | : 60°C    |

**Product data – type HLG-120H-C1400A, HLG-120H-C1400AB, HLG-120H-C1400B and HLG-120H-C1400D**

|                          |           |
|--------------------------|-----------|
| Input current            | : 1,85 A  |
| Output voltage           | : 108 Vdc |
| Output current           | : 1,40 A  |
| Rated power              | : 151,2 W |
| Ambient temperature (ta) | : 60°C    |

**Product data – type HLG-120H-C350A, HLG-120H-C350AB, HLG-120H-C350B and HLG-120H-C350D**

|                          |           |
|--------------------------|-----------|
| Input current            | : 1,85 A  |
| Output voltage           | : 430 Vdc |
| Output current           | : 0,35 A  |
| Rated power              | : 150,5 W |
| Ambient temperature (ta) | : 60°C    |

**Product data – type HLG-120H-C500A, HLG-120H-C500AB, HLG-120H-C500B and HLG-120H-C500D**

|                          |           |
|--------------------------|-----------|
| Input current            | : 1,85 A  |
| Output voltage           | : 300 Vdc |
| Output current           | : 0,5 A   |
| Rated power              | : 150 W   |
| Ambient temperature (ta) | : 60°C    |



**Product data – type HLG-120H-C700A, HLG-120H-C700AB, HLG-120H-C700B and HLG-120H-C700D**

Input current : 1,85 A  
Output voltage : 215 Vdc  
Output current : 0,7 A  
Rated power : 150,5 W  
Ambient temperature (ta) : 60°C

**Product data – type HLG-185H-C1050A, HLG-185H-C1050AB, HLG-185H-C1050B and HLG-185H-C1050D**

Input current : 2,4 A  
Output voltage : 190 Vdc  
Output current : 1,05 A  
Rated power : 199,5 W  
Ambient temperature (ta) : 45°C or 50°C

**Product data – type HLG-185H-C1400A, HLG-185H-C1400AB, HLG-185H-C1400B and HLG-185H-C1400D**

Input current : 2,4 A  
Output voltage : 143 Vdc  
Output current : 1,40 A  
Rated power : 200,2 W  
Ambient temperature (ta) : 45°C or 50°C

**Product data – type HLG-185H- C500A, HLG-185H- C500AB, HLG-185H- C500B and HLG-185H- C500D**

Input current : 2,4 A  
Output voltage : 400 Vdc  
Out current : 0,5 A  
Rated power : 200 W  
Ambient temperature (ta) : 45°C or 50°C

**Product data – type HLG-185H-C700A, HLG-185H-C700AB, HLG-185H-C700B and HLG-185H-C700D**

Input current : 2,4 A  
Output voltage : 286 Vdc  
Output current : 0,7 A  
Rated power : 200,2 W  
Ambient temperature (ta) : 45°C or 50°C

**TESTS****Test requirements**

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

**Test result**

The test results are laid down in DEKRA test file 434308700.

**Additional information**

Model/Type reference:

HLG-xH-Cyz

The "x" in the model name can be 120 or 185 to denote output power;

The "y" in the model name can be 350, 500, 700, 1050, 1400 to denote output current;

The "z" in the model name can be A, B, D or AB to denote output wire, IP value and enclosure type

Model Encoding:

"z" can be A, B, D or AB to denote output wire, IP value and enclosure type as below description:

- "A": IP65, output wire type is Min. 0,75 mm<sup>2</sup> \* 2C x1 (indoor use), 18 AWG \* 2C x1 (indoor use) or 1,0 mm<sup>2</sup> \* 2C x1 (Rubber wire). Top cover has one hole which is blocked with a plastic cap. (The hole for manufacturer to adjust the Io ADJ. and has been covered and sealed by rubber caps, it shall not be opened and adjusted by user. Specified in installation instruction.)

- "B": IP67, output and dimming wire type are Min. 0,75 mm<sup>2</sup> \* 2C x2 (indoor use), 18 AWG \* 2C x2 (indoor use) or 1,0 mm<sup>2</sup> \* 2C x2 (Rubber wire). Top cover has no hole provided.

- "D": IP67, output wire type is Min. 0,75 mm<sup>2</sup> \* 2C x1 (indoor use), 18 AWG\*2C x1 (indoor use) or 1,0 mm<sup>2</sup> \* 2C x1 (Rubber wire). Top cover has no hole provided.

- "AB": IP65, output and dimming wire type are Min. 0,75 mm<sup>2</sup> \* 2C x 2 (indoor use), 18 AWG\*2C x2 (indoor use) or 1,0 mm<sup>2</sup> \* 2C x 2 (Rubber wire). Top cover has one hole which is blocked with a plastic cap. (The hole for manufacturer to adjust the Io ADJ. and has been covered and sealed by rubber caps, it shall not be opened and adjusted by user. Specified in installation instruction.)

- There are two kinds of dimming control board (called type A and type B), type A is used when the "z" = B or AB, type B is used when the "z" = D. The dimming circuits are located in live secondary circuit. The dimming output must be double/reinforced insulated from primary circuits and be adequately separated from secondary circuit in the end application.

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

The list of components is laid down at test report 4343087.50.

**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,  
510890 Guangzhou, Guangdong, China

Trade name : MEAN WELL stands for

