

CERTIFICATE

Issued to:
Applicant:
Mean Well Enterprises Co., Ltd.
NO.28, Wuquan 3rd Road,Wugu District
New Taipei City 248,
Taiwan

Manufacturer/Licensee:
Mean Well Enterprises Co., Ltd.
NO.28, Wuquan 3rd Road,Wugu District
New Taipei City 248,
Taiwan

Product : Independent controlgears
Trade name : MEAN WELL
Types : NPF-120-12, NPF-120-15, NPF-120-20, NPF-120-24, NPF-120-30, NPF-120-36,
NPF-120-42, NPF-120-48, NPF-120-54, NPF-120D-12, NPF-120D-15,
NPF-120D-20, NPF-120D-24, NPF-120D-30, NPF-120D-36, NPF-120D-42,
NPF-120D-48, NPF-120D-54, PWM-120-12, PWM-120-24, PWM-120-36,
PWM-120-48

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 61347-1:2008; EN 61347-2-13:2006; 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 KEMA-KEUR certification mark.

The ENEC KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the ENEC KEMA-KEUR certification agreement and under the conditions of the ENEC KEMA-KEUR certification agreement.

This certificate is issued on: 29 June 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2183809.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



T. Drost
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

| | | |
|---------------------------|---|---|
| product | : | Independent controlgears |
| trade name | : | MEAN WELL |
| types | : | NPF-120-12 NPF-120-15 NPF-120-20 NPF-120-24 NPF-120-30 NPF-120-36 NPF-120-42 NPF-120-48 NPF-120-54 NPF-120D-12 NPF-120D-15 NPF-120D-20 NPF-120D-24 NPF-120D-30 NPF-120D-36 NPF-120D-42 NPF-120D-48 NPF-120D-54 PWM-120-12 PWM-120-24 PWM-120-36 PWM-120-48 |
| rated input voltage | : | 100-240 V~ |
| rated input current | : | see product date per type |
| nature of supply | : | a.c. |
| rated frequency | : | 50/60 Hz |
| output current | : | see product date per type |
| output voltage | : | see product date per type |
| power factor | : | 0,95 |
| max. case temperature(tc) | : | see product date per type |
| ambient temperature (ta) | : | see product date per type |
| class of insulation | : | Class II |
| degree of protection | : | IP67 |

Additional information

- Constant voltage mode
- Thermal, short -circuit and overload protection
- Inherently short circuit proof
- with MM signs.

Product data - type NPF-120-12, NPF-120D-12 and PWM-120-12

rated input current : 1,5 A
output current : 10 A
output voltage : 12 Vdc
max. case temperature(tc) : 90 °C
ambient temperature (ta) : 40 °C

Product data - type NPF-120-15 and NPF-120D-15

rated input current : 1,5 A
output current : 8 A
output voltage : 15 Vdc
max. case temperature(tc) : 90 °C
ambient temperature (ta) : 40 °C

Product data - type NPF-120-20 and NPF-120D-20

rated input current : 1,5 A
output current : 6 A
output voltage : 20 Vdc
max. case temperature(tc) : 90 °C
ambient temperature (ta) : 45 °C

Product data - type NPF-120-24, NPF-120D-24 and PWM -120-24

rated input current : 1,5 A
output current : 5 A
output voltage : 24 Vdc
max. case temperature(tc) : 90 °C
ambient temperature (ta) : 45 °C

Product data - type NPF-120-30 and NPF-120D-30

rated input current : 1,5 A
output current : 4 A
output voltage : 30 Vdc
max. case temperature(tc) : 90 °C
ambient temperature (ta) : 45 °C

Product data - type NPF-120-36, NPF-120D-36 and PWM -120-36

rated input current : 1,5 A
output current : 3,4 A
output voltage : 36 Vdc
max. case temperature(tc) : 90 °C
ambient temperature (ta) : 45 °C

Product data - type NPF-120-42 and NPF-120D-42

| | |
|---------------------------|----------|
| rated input current | : 1,5 A |
| output current | : 2,9 A |
| output voltage | : 42 Vdc |
| max. case temperature(tc) | : 90 °C |
| ambient temperature (ta) | : 45 °C |

Product data - type NPF-120-48, NPF-120D-48 and PWM -120-48

| | |
|---------------------------|----------|
| rated input current | : 1,5 A |
| output current | : 2,5 A |
| output voltage | : 48 Vdc |
| max. case temperature(tc) | : 90 °C |
| ambient temperature (ta) | : 45 °C |

Product data - type NPF-120-54 and NPF-120D-54

| | |
|---------------------------|----------|
| rated input current | : 1,5 A |
| output current | : 2,3 A |
| output voltage | : 54 Vdc |
| max. case temperature(tc) | : 90 °C |
| ambient temperature (ta) | : 45 °C |

TESTS**Test requirements**

EN 61347-1:2008 + A1:2011 + A2:2013

EN 61347-2-13:2006

EN 62384:2006 + A1:2009

Test results

The test results are laid down in DEKRA test file 2183809.00.

Remark

The components used in the appliance are laid down in the test report no. 2183809.50.

Conclusion

The examination proved that all test requirements were met.

Tested by : J.G.H. Gelink

A handwritten signature in blue ink, appearing to be 'J.G.H. Gelink', written over a horizontal line.

Checked by : T.H.J.M. Michels

A handwritten signature in blue ink, appearing to be 'T.H.J.M. Michels', written over a horizontal line.

Factory location

Mean Well (Guangzhou) Electronics Co., Ltd.
2F, A Building, Yuean Industrial Park, Huangcun, Dongpu Town
Tianhe District Guangzhou, Guangdong
China