

# 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 : True Sine Wave Inverter  
Trade name(s) : MEAN WELL  
Type(s)/model(s) : NTS-x-yz

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(s) EN 62368-1:2014 and EN 62368-1:2014/A11:2017
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6059480

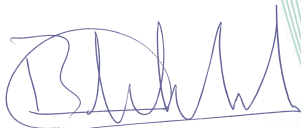
DEKRA hereby grants the right to use the DEKRA Mark.

The DEKRA Mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Mark certification agreement.

This certificate is issued on 5 December 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-126406

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



K. Lin  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



35-126406

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

Product	: True Sine Wave Inverter
Trade name(s)	: MEAN WELL
Type(s)/model(s)	: NTS-300-112z, NTS-300-124z, NTS-300-212z, NTS-300-224z, NTS-300-248z, NTS-450-112z, NTS-450-124z, NTS-450-148z, NTS-450-212z, NTS-450-224z, NTS-450-248z and NTS-300-148z
Rated frequency	: 50/60 Hz(output)
Power factor	: 0,99
Ambient temperature(ta)	: 40 °C

**Product data – type NTS-300-112z**

Rated input voltage	: 12 Vdc,
Rated input current	: 30A
Rated output voltage	: Default 110Vac/60Hz, 100/110/115/120Vac, selectable
Rated output current	: 2,72A

**Product data – type NTS-300-124z**

Rated input voltage	: 24 Vdc,
Rated input current	: 15A
Rated output voltage	: Default 110Vac/60Hz, 100/110/115/120Vac, selectable
Rated output current	: 2,72A

**Product data – type NTS-300-148z**

Rated input voltage	: 48 Vdc,
Rated input current	: 8A
Rated output voltage	: Default 110Vac/60Hz, 100/110/115/120Vac, selectable
Rated output current	: 2,72A

**Product data – type NTS-300-212z**

Rated input voltage	: 12 Vdc,
Rated input current	: 30A
Rated output voltage	: Default 230Vac/60Hz, 200/220/230/240Vac, selectable
Rated output current	: 1,3A

**Product data – type NTS-300-224z**

Rated input voltage	: 24 Vdc,
Rated input current	: 15A
Rated output voltage	: Default 230Vac/60Hz, 200/220/230/240Vac, selectable
Rated output current	: 1,3A

**Product data – type NTS-300-248z**

Rated input voltage	: 48 Vdc,
Rated input current	: 8A
Rated output voltage	: Default 230Vac/60Hz, 200/220/230/240Vac, selectable
Rated output current	: 1,3A

**Product data – type NTS-450-112z**

Rated input voltage	: 12 Vdc,
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Rated input current : 50A  
Rated output voltage : Default 110Vac/60Hz, 100/110/115/120Vac, selectable  
Rated output current : 4,09A

**Product data – type NTS-450-124z**

Rated input voltage : 24 Vdc,  
Rated input current : 25A  
Rated output voltage : Default 110Vac/60Hz, 100/110/115/120Vac, selectable  
Rated output current : 4,09A

**Product data – type NTS-450-148z**

Rated input voltage : 48 Vdc,  
Rated input current : 14A  
Rated output voltage : Default 110Vac/60Hz, 100/110/115/120Vac, selectable  
Rated output current : 4,09A

**Product data – type NTS-450-212z**

Rated input voltage : 12 Vdc,  
Rated input current : 50A  
Rated output voltage : Default 230Vac/60Hz, 200/220/230/240Vac, selectable  
Rated output current : 1,95A

**Product data – type NTS-450-224z**

Rated input voltage : 24 Vdc,  
Rated input current : 25A  
Rated output voltage : Default 230Vac/60Hz, 200/220/230/240Vac, selectable  
Rated output current : 1,95A

**Product data – type NTS-450-248z**

Rated input voltage : 48 Vdc,  
Rated input current : 14A  
Rated output voltage : Default 230Vac/60Hz, 200/220/230/240Vac, selectable  
Rated output current : 1,95A

**TESTS****Test requirements**

EN 62368-1:2014  
EN 62368-1:2014/A11:2017

**Test result**

The test results are laid down in DEKRA test file 439607200.

**Additional information**

Type(s)/model(s):

NTS-x-yz (x=300 or 450, y=112, 124, 148, 212, 224 or 248, z= US, GFCI when y=112, 124 or 148; z=EU, CN, AU or UK when y=212, 224 or 248)

The product also complies with EN 62233: 2008.

This certificate replaces certificate No. 35-118353 which we hereby declare invalid.

The list of components is laid down in test report 4396072.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory locations**

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

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

Trade name(s) : MEAN WELL stands for

