



Product Service

Attestation of Conformity

No. N8A 080658 0189 Rev. 05

Holder of Certificate: **Suzhou Inovance Technology Co., Ltd.**
No.16, Youxiang Road, Yuexi Town, Wuzhong District
215104 Suzhou
PEOPLE'S REPUBLIC OF CHINA

Product: **Electronic frequency converter
(AC Drive/Escalator AC Drive)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 64105193080104

Date, 2022-01-11

(Frank Zhu)

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Model(s):

MD290T45G/55P(a), MD290T45G/55PB(a),
 MD290T55G/75P(a), MD290T55G/75PB(a),
 MD290T75G/90P(a), MD290T75G/90PB(a),
 MD290T90G/110P(a), MD290T110G/132P(a),
 MD500T45G(a), MD500T45GB(a),
 MD500T45G/55P-PLUS(a),
 MD500T45G/55PB-PLUS(a),
 MD500T45G-PLUS(a), MD500T45GB-PLUS(a),
 MD500ET45G(a), MD500ET45GB(a),
 MD500T55P(a), MD500T55PB(a),
 MD500T55G(a), MD500T55GB(a),
 MD500T55G/75P-PLUS(a),
 MD500T55G/75PB-PLUS(a),
 MD500T55G-PLUS(a), MD500T55GB-PLUS(a),
 MD500ET55G(a), MD500ET55GB(a),
 MD500T75P(a), MD500T75PB(a),
 MD500T75G(a), MD500T75GB(a),
 MD500T75G/90P-PLUS(a),
 MD500T75G/90PB-PLUS(a),
 MD500T75G-PLUS(a), MD500T75GB-PLUS(a),
 MD500ET75G(a), MD500ET75GB(a), MD500T90P(a),
 MD500T90PB(a), MD500T90G(a),
 MD500T90G/110P-PLUS(a), MD500T90G-PLUS(a),
 MD500ET90G(a), MD500T110P(a), MD500T110G(a),
 MD500T110G/132P-PLUS(a),
 MD500T110G-PLUS(a),
 MD500ET110G(a), MD500T132P(a),
 IS580T080-R1(a), IS580T080-R1-S(a),
 IS580T100-R1(a), IS580T100-R1-S(a),
 IS580T140-R1(a), IS580T140-R1-S(a),
 IS580T170-R1(a), IS580T170-R1-BR(a),
 IS580T210-R1(a), IS580T210-R1-BR(a),
 CS200-4T45GB(a), CS710-4T45GB(a),
 CS200-4T55GB(a), CS710-4T55GB(a),
 CS200-4T75GB(a), CS710-4T75GB(a),
 CS710-4T90G(a), CS710-4T110G(a),
 WISE310-4037-02(a), MD310T37B-02-WISE(a),
 WISE310-4045-02(a), MD310T45B-02-WISE(a),
 WISE310-4055-02(a), MD310T55B-02-WISE(a),
 WISE310-4075-02(a), MD310T75B-02-WISE(a),
 WISE310-4090-02(a), MD310T90B-02-WISE(a),
 WISE310-4037-05(a), MD310T37B-05-WISE(a),
 WISE310-4045-05(a), MD310T90B-05-WISE(a),
 WISE310-4055-05(a), MD310T45B-05-WISE(a),
 WISE310-4075-05(a), MD310T75B-05-WISE(a),
 WISE310-4090-05(a), MD310T90B-05-WISE(a),

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IS650XT075(a), IS650XT091(a), IS650XT112(a),
MD580-4T112(a), MD580-4T112B(a), MD580-4T150(a),
MD580-4T150B(a), MD520-4T45(a), MD520-4T45B(a),
MD520-4T45S(a), MD520-4T45BS(a), MD520-4T55(a),
MD520-4T55B(a), MD520-4T55S(a), MD520-4T55BS(a),
MD580-4T176(a), MD580-4T176B(a), MD580-4T210(a),
MD580-4T253(a), MD520-4T75(a), MD520-4T75B(a),
MD520-4T75S(a), MD520-4T75BS(a), MD520-4T90(a),
MD520-4T90S(a), MD520-4T110(a), MD520-4T110S(a)

Remark:

“(a)” The model number may include a suffix “XXXXXXXXXX”, where “XXXXXXXXXX” can be blank or combination of any alphanumeric and/or symbols that represents customer identity.

“X” may be “P” or “N”, “P” means Pulse Type; “N” means Net Type.

Parameters:

Rated voltage:	See below table 1-Model list
Rated Current:	See below table 1-Model list
Ambient temperature:	Max. 50°C
Overvoltage category:	III
Pullotion dgree:	2
Construction:	Built-in
IP code:	IP20, IP55 details see to below table1- Model list
Maximum operation altitude:	3000m

Remark:

- When installing the equipment, all requirements of the mentioned standard must be fulfilled and it should be suitably installed I closed electrical operation area, and fire/mechanical protection enclosure shall be provided.
- The frequency inverter has no overcurrent protective device. For safe operation, a suitable external circuit breaker must be employed before installation.

**Tested
according to:**

EN 61800-5-1:2007/A1:2017

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Parameters:

Table 1- Model list

Model No.	Rated Input	Rated Output	Size (mm)	IP code
MD500T45G(a) MD500T45GB(a) MD500ET45G(a) MD500ET45GB(a)	3PH AC 380-480V, 89.0A, 50/60Hz	3PH AC 0-480V, 91.0A, 0-500Hz, 45kW	523*300*275	IP20
MD500T45G/55P-PLUS(a) MD500T45G/55PB-PLUS(a)	3PH AC 380-480V 89A/111A 50/60Hz	3PH AC 0-480V 91A/112A 0-599Hz 45kW/55kW		
MD500T45G-PLUS(a) MD500T45GB-PLUS(a)	3PH AC 380-480V, 89.0A, 50/60Hz	3PH AC 0-480V, 91.0A, 0-599Hz, 45kW		
IS580T080-R1(a) IS580T080-R1-S(a)	3PH AC 380-480V, 89.0A, 50/60Hz	3PH AC 0-480V, 91.0A, 0-300Hz, 45kW		
CS200-4T45GB(a) CS710-4T45GB(a)	3PH AC 380-480V, 89.0A, 50/60Hz	3PH AC 0-480V, 91.0A, 0-150Hz, 45kW		
MD500T55P(a) MD500T55PB(a) MD290T45G/55P(a) MD290T45G/55PB(a)	3PH AC 380-480V, 111.0A, 50/60Hz	3PH AC 0-480V, 112.0A, 0-500Hz, 55kW		
MD500T55G(a) MD500T55GB(a) MD500ET55G(a) MD500ET55GB(a)	3PH AC 380-480V, 106.0A, 50/60Hz	3PH AC 0-480V, 112.0A, 0-500Hz, 55kW		
MD500T55G/75P-PLUS(a) MD500T55G/75PB-PLUS(a)	3PH AC 380-480V 106A/143A 50/60Hz	3PH AC 0-480V 112A/150A 0-599Hz 55kW/75kW		
MD500T55G-PLUS(a) MD500T55GB-PLUS(a)	3PH AC 380-480V, 106.0A, 50/60Hz	3PH AC 0-480V, 112.0A, 0-599Hz, 55kW		
IS580T100-R1(a) IS580T100-R1-S(a)	3PH AC 380-480V, 106.0A, 50/60Hz	3PH AC 0-480V, 112.0A, 0-300Hz, 55kW		
CS200-4T55GB(a) CS710-4T55GB(a)	3PH AC 380-480V, 106.0A, 50/60Hz	3PH AC 0-480V, 112.0A, 0-150Hz, 55kW		
MD500T75P(a) MD500T75PB(a) MD290T55G/75P(a) MD290T55G/75PB(a)	3PH AC 380-480V, 143.0A, 50/60Hz	3PH AC 0-480V, 150.0A, 0-500Hz, 75kW		
MD580-4T112(a) MD580-4T112B(a)	3PH AC 380-480V 89A/111A 50/60Hz	3PH AC 0-480V 91A/112A 0-599Hz 45kW/55kW		
MD580-4T150(a) MD580-4T150B(a)	3PH AC 380-480V 106A/143A 50/60Hz	3PH AC 0-480V 112A/150A 0-599Hz 55kW/75kW		
MD520-4T45(a) MD520-4T45B(a) MD520-4T45S(a) MD520-4T45BS(a)	3PH AC 380-480V 89A/111A 50/60Hz	3PH AC 0-480V 91A/112A 0-599Hz 45kW/55kW		
MD520-4T55(a) MD520-4T55B(a) MD520-4T55S(a) MD520-4T55BS(a)	3PH AC 380-480V 106A/143A 50/60Hz	3PH AC 0-480V 112A/150A 0-599Hz 55kW/75kW		

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MD500T75G(a) MD500T75GB(a) MD500ET75G(a) MD500ET75GB(a)	3PH AC 380-480V, 139.0A, 50/60Hz	3PH AC 0-480V, 150.0A, 0-500Hz, 75kW	550*315*338	
MD500T75G/90P-PLUS(a) MD500T75G/90PB-PLUS(a)	3PH AC 380-480V 139A/167A 50/60Hz	3PH AC 0-480V 150A/176A 0-599Hz 75kW/90kW		
MD500T75G-PLUS(a) MD500T75GB-PLUS(a)	3PH AC 380-480V, 139.0A, 50/60Hz	3PH AC 0-480V, 150.0A, 0-599Hz, 75kW		
IS580T140-R1(a) IS580T140-R1-S(a)	3PH AC 380-480V, 139.0A, 50/60Hz	3PH AC 0-480V, 150.0A, 0-300Hz, 75kW		
CS200-4T75GB(a) CS710-4T75GB(a)	3PH AC 380-480V, 139.0A, 50/60Hz	3PH AC 0-480V, 150.0A, 0-150Hz, 75kW		
MD500T90P(a) MD500T90PB(a) MD290T75G/90P(a) MD290T75G/90PB(a)	3PH AC 380-480V, 167.0A, 50/60Hz	3PH AC 0-480V, 176.0A, 0-500Hz, 90kW		
MD500T90G(a) MD500ET90G(a)	3PH AC 380-480V, 164.0A, 50/60Hz	3PH AC 0-480V, 176.0A, 0-500Hz, 90kW		
MD500T90G/110P-PLUS(a)	3PH AC 380-480V 164A/198A 50/60Hz	3PH AC 0-480V 176A/210A 0-599Hz 90kW/110kW		
MD500T90G-PLUS(a)	3PH AC 380-480V, 164.0A, 50/60Hz	3PH AC 0-480V, 176.0A, 0-599Hz, 90kW		
IS580T170-R1(a) IS580T170-R1-BR(a)	3PH AC 380-480V, 164.0A, 50/60Hz	3PH AC 0-480V, 176.0A, 0-300Hz, 90kW		
CS710-4T90G(a)	3PH AC 380-480V, 164.0A, 50/60Hz	3PH AC 0-480V, 176.0A, 0-150Hz, 90kW		
MD500T110P(a) MD290T90G/110P(a)	3PH AC 380-480V, 198.0A, 50/60Hz	3PH AC 0-480V, 210.0A, 0-500Hz, 110kW		
MD500T110G(a) MD500ET110G(a)	3PH AC 380-480V, 196.0A, 50/60Hz	3PH AC 0-480V, 210.0A, 0-500Hz, 110kW		
MD500T110G/132P-PLUS(a)	3PH AC 380-480V 196A/239A 50/60Hz	3PH AC 0-480V 210A/253A 0-599Hz 110kW/132kW		
MD500T110G-PLUS(a)	3PH AC 380-480V, 196.0A, 50/60Hz	3PH AC 0-480V, 210.0A, 0-599Hz, 110kW		
IS580T210-R1(a) IS580T210-R1-BR(a)	3PH AC 380-480V, 196.0A, 50/60Hz	3PH AC 0-480V, 210.0A, 0-300Hz, 110kW		
CS710-4T110G(a)	3PH AC 380-480V, 196.0A, 50/60Hz	3PH AC 0-480V, 210.0A, 0-150Hz, 110kW		
MD500T132P(a) MD290T110G/132P(a)	3PH AC 380-480V, 239.0A, 50/60Hz	3PH AC 0-480V, 253.0A, 0-500Hz, 132kW		
MD580-4T176(a) MD580-4T176B(a)	3PH AC 380-480V 139A/167A 50/60Hz	3PH AC 0-480V 150A/176A 0-599Hz 75kW/90kW		
MD580-4T210(a)	3PH AC 380-480V 164A/198A 50/60Hz	3PH AC 0-480V 176A/210A 0-599Hz 90kW/110kW		
MD580-4T253(a)	3PH AC 380-480V 196A/239A 50/60Hz	3PH AC 0-480V 210A/253A 0-599Hz 110kW/132kW		
MD520-4T75(a) MD520-4T75B(a) MD520-4T75S(a) MD520-4T75BS(a)	3PH AC 380-480V 139A/167A 50/60Hz	3PH AC 0-480V 150A/176A 0-599Hz 75kW/90kW		

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MD520-4T90(a) MD520-4T90S(a)	3PH AC 380-480V 164A/198A 50/60Hz	3PH AC 0-480V 176A/210A 0-599Hz 90kW/110kW		
MD520-4T110(a) MD520-4T110S(a)	3PH AC 380-480V 196A/239A 50/60Hz	3PH AC 0-480V 210A/253A 0-599Hz 110kW/132kW		
IS650XT075(a)	3PH AC 380-440V 63.0A 50/60Hz	3PH AC 0-380V 75.0A 0-400Hz 37kW		
IS650XT091(a)	3PH AC 380-440V 76.0A 50/60Hz	3PH AC 0-380V 91.0A 0-400Hz 45kW	540*300*275	IP20
IS650XT112(a)	3PH AC 380-440V 95.0A 50/60Hz	3PH AC 0-380V 112.0A 0-400Hz 55kW		
For Escalator AC Drive:				
WISE310-4037-02(a) MD310T37B-02-WISE(a)	3PH AC 380-480V, 69.0A, 50/60Hz	3PH AC 0-480V, 75.0A, 0-99Hz, 37kW	523*300*275	IP20
WISE310-4045-02(a) MD310T45B-02-WISE(a)	3PH AC 380-480V, 89.0A, 50/60Hz	3PH AC 0-480V, 91.0A, 0-99Hz, 45kW		
WISE310-4055-02(a) MD310T55B-02-WISE(a)	3PH AC 380-480V, 103.0A, 50/60Hz	3PH AC 0-480V, 112.0A, 0-99Hz, 55kW		
WISE310-4075-02(a) MD310T75B-02-WISE(a)	3PH AC 380-480V 139.0A 50/60Hz	3PH AC 0-480V 150.0A 0-99Hz 75kW	550*315*338	
WISE310-4090-02(a) MD310T90B-02-WISE(a)	3PH AC 380-480V 164.0A 50/60Hz	3PH AC 0-480V 176.0A 0-99Hz 90kW		
WISE310-4037-05(a) MD310T37B-05-WISE(a)	3PH AC 380-480V 69.0A 50/60Hz	3PH AC 0-480V 750.0A 0-99Hz 37kW	1013*460*396	IP55 for internal parts
WISE310-4045-05(a) MD310T90B-05-WISE(a)	3PH AC 380-480V 89.0A 50/60Hz	3PH AC 0-480V 91.0A 0-99Hz 45kW		
WISE310-4055-05(a) MD310T45B-05-WISE(a)	3PH AC 380-480V 106.0A 50/60Hz	3PH AC 0-480V 112.0A 0-99Hz 55kW		
WISE310-4075-05(a) MD310T75B-05-WISE(a)	3PH AC 380-480V 139.0A 50/60Hz	3PH AC 0-480V 150.0A 0-99Hz 75kW	1024*460*396	
WISE310-4090-05(a) MD310T90B-05-WISE(a)	3PH AC 380-480V 164.0A 50/60Hz	3PH AC 0-480V 176.0A 0-99Hz 90kW		