



Product Service

# CERTIFICATE

No. B 12 04 72237 056

**Holder of Certificate:** Shenzhen INVT Electric Co., Ltd.No.4 Building, Gaofa Industrial Park  
Longjing, Nanshan District  
518055 Shenzhen  
PEOPLE'S REPUBLIC OF CHINA**Certification Mark:****Product:****Electronic frequency converter  
(Frequency Inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:**

682301103902

**Date,** 2012-05-08

( Ashley Chan )

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Product Service

**CERTIFICATE**

No. B 12 04 72237 056

**Model(s):**

GD300-1R5G-4, GD300-2R2G-4, GD300-004G-4,  
 GD300-5R5P-4, GD300-5R5G-4, GD300-7R5P-4,  
 GD300-7R5G-4, GD300-011P-4, GD300-011G-4,  
 GD300-015P-4, GD300-015G-4, GD300-018P-4,  
 GD300-018G-4, GD300-022P-4, GD200-1R5G-4,  
 GD200-2R2G-4, GD200-004G-4, GD200-5R5P-4,  
 GD200-5R5G-4, GD200-7R5P-4, GD200-7R5G-4,  
 GD200-011P-4, GD200-011G-4, GD200-015P-4,  
 GD200-015G-4, GD200-018P-4, GD200-018G-4,  
 GD200-022P-4, GD35-004G-4-A1, GD35-004G-4-B1,  
 GD35-004G-4-C1, GD35-004G-4-D1, GD35-004G-4-H1,  
 GD35-5R5G-4-A1, GD35-5R5G-4-B1, GD35-5R5G-4-C1,  
 GD35-5R5G-4-D1, GD35-5R5G-4-H1, GD35-7R5G-4-A1,  
 GD35-7R5G-4-B1, GD35-7R5G-4-C1, GD35-7R5G-4-D1,  
 GD35-7R5G-4-H1, GD35-011G-4-A1, GD35-011G-4-B1,  
 GD35-011G-4-C1, GD35-011G-4-D1, GD35-011G-4-H1,  
 GD35-015G-4-A1, GD35-015G-4-B1, GD35-015G-4-C1,  
 GD35-015G-4-D1, GD35-015G-4-H1

**Parameters:**

Rated Input Voltage : 3 PH, 400V, 47-63Hz  
 Rated Input Current : see page 3-4 for details  
 Rated Output Voltage : 3 PH, 0-400V, 0-400Hz  
 Rated Output Current : see page 3-4 for details  
 Supply Tolerance :  $\pm 15\%$   
 Installation : BDM  
 Protection Class : I  
 Degree of Protection : IP20

**Remarks:**

- When installing the equipment, all requirements of the mentioned standard must be fulfilled and it should be suitably installed in closed electrical operation area.
- Maximum operating temperature is 40°C.
- The input and output circuits were considered as DVC C circuits and signal circuit was considered as DVC A circuit.
- TN-S, TN-C, TN-C-S and TT (not corner earthed) power systems were evaluated.
- The frequency inverter has no overcurrent protective device. For safety operation, a suitable external circuit breaker must be employed before installation.

**Tested according to:**

EN 61800-5-1:2007

**Production Facility(ies):**

77238

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**No: B 12 04 72237 056**



Product Service

Model No.	Rated Input	Rated Output
GD300-1R5G-4	3 PH, 400V, 47-63Hz, 5.0A	3 PH, 0-400V, 0-400Hz, 3.7A, 1.5 kW
GD300-2R2G-4	3 PH, 400V, 47-63Hz, 5.8A	3 PH, 0-400V, 0-400Hz, 5.0A, 2.2 kW
GD300-004G-4	3 PH, 400V, 47-63Hz, 13.5A	3 PH, 0-400V, 0-400Hz, 9.5A, 4.0KW
GD300-5R5P-4	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD300-5R5G-4	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD300-7R5P-4	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD300-7R5G-4	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD300-011P-4	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD300-011G-4	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD300-015P-4	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW
GD300-015G-4	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW
GD300-018P-4	3 PH, 400V, 47-63Hz, 47A	3 PH, 0-400V, 0-400Hz, 38.0A, 18.5 kW
GD300-018G-4	3 PH, 400V, 47-63Hz, 47A	3 PH, 0-400V, 0-400Hz, 38.0A, 18.5 kW
GD300-022P-4	3 PH, 400V, 47-63Hz, 56A	3 PH, 0-400V, 0-400Hz, 45.0A, 22 kW

Model No.	Rated Input	Rated Output
GD200-1R5G-4	3 PH, 400V, 47-63Hz, 5.0A	3 PH, 0-400V, 0-400Hz, 3.7A, 1.5 kW
GD200-2R2G-4	3 PH, 400V, 47-63Hz, 5.8A	3 PH, 0-400V, 0-400Hz, 5.0A, 2.2 kW
GD200-004G-4	3 PH, 400V, 47-63Hz, 13.5A	3 PH, 0-400V, 0-400Hz, 9.5A, 4.0KW
GD200-5R5P-4	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD200-5R5G-4	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD200-7R5P-4	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD200-7R5G-4	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD200-011P-4	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD200-011G-4	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD200-015P-4	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW
GD200-015G-4	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW
GD200-018P-4	3 PH, 400V, 47-63Hz, 47A	3 PH, 0-400V, 0-400Hz, 38.0A, 18.5 kW
GD200-018G-4	3 PH, 400V, 47-63Hz, 47A	3 PH, 0-400V, 0-400Hz, 38.0A, 18.5 kW
GD200-022P-4	3 PH, 400V, 47-63Hz, 56A	3 PH, 0-400V, 0-400Hz, 45.0A, 22 kW

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**No: B 12 04 72237 056**



Product Service

Model No.	Rated Input	Rated Output
GD35-004G-4-A1, GD35-004G-4-B1, GD35-004G-4-C1, GD35-004G-4-D1, GD35-004G-4-H1,	3 PH, 400V, 47-63Hz, 13.5A	3 PH, 0-400V, 0-400Hz, 9.5A, 4.0KW
GD35-5R5G-4-A1, GD35-5R5G-4-B1, GD35-5R5G-4-C1, GD35-5R5G-4-D1, GD35-5R5G-4-H1,	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD35-7R5G-4-A1, GD35-7R5G-4-B1, GD35-7R5G-4-C1, GD35-7R5G-4-D1, GD35-7R5G-4-H1,	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD35-011G-4-A1, GD35-011G-4-B1, GD35-011G-4-C1, GD35-011G-4-D1, GD35-011G-4-H1,	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD35-015G-4-A1, GD35-015G-4-B1, GD35-015G-4-C1, GD35-015G-4-D1, GD35-015G-4-H1	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW



Product Service

# Attestation of Conformity

No. N8 12 04 72237 057

**Holder of Certificate: Shenzhen INVT Electric Co., Ltd.**

No.4 Building, Gaofa Industrial Park  
Longjing, Nanshan District  
518055 Shenzhen  
PEOPLE'S REPUBLIC OF CHINA

**Product: Electronic frequency converter  
(Frequency Inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2006/95/EC 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. It refers only to the particular sample submitted for testing and certification. See also notes overleaf.

**Test report no.:** 682301103902**Date,** 2012-05-08

( Ashley Chan )



After preparation of the necessary technical documentation as well as the EC conformity declaration the required CE marking can be affixed on the product. Other relevant directives have to be observed.

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Product Service

## Attestation of Conformity

No. N8 12 04 72237 057

### Model(s):

GD300-1R5G-4, GD300-2R2G-4, GD300-004G-4,  
 GD300-5R5P-4, GD300-5R5G-4, GD300-7R5P-4,  
 GD300-7R5G-4, GD300-011P-4, GD300-011G-4,  
 GD300-015P-4, GD300-015G-4, GD300-018P-4,  
 GD300-018G-4, GD300-022P-4, GD200-1R5G-4,  
 GD200-2R2G-4, GD200-004G-4, GD200-5R5P-4,  
 GD200-5R5G-4, GD200-7R5P-4, GD200-7R5G-4,  
 GD200-011P-4, GD200-011G-4, GD200-015P-4,  
 GD200-015G-4, GD200-018P-4, GD200-018G-4,  
 GD200-022P-4, GD35-004G-4-A1, GD35-004G-4-B1,  
 GD35-004G-4-C1, GD35-004G-4-D1, GD35-004G-4-H1,  
 GD35-5R5G-4-A1, GD35-5R5G-4-B1, GD35-5R5G-4-C1,  
 GD35-5R5G-4-D1, GD35-5R5G-4-H1, GD35-7R5G-4-A1,  
 GD35-7R5G-4-B1, GD35-7R5G-4-C1, GD35-7R5G-4-D1,  
 GD35-7R5G-4-H1, GD35-011G-4-A1, GD35-011G-4-B1,  
 GD35-011G-4-C1, GD35-011G-4-D1, GD35-011G-4-H1,  
 GD35-015G-4-A1, GD35-015G-4-B1, GD35-015G-4-C1,  
 GD35-015G-4-D1, GD35-015G-4-H1

### Parameters:

Rated Input Voltage : 3 PH, 400V, 47-63Hz  
 Rated Input Current : see page 3-4 for details  
 Rated Output Voltage : 3 PH, 0-400V, 0-400Hz  
 Rated Output Current : see page 3-4 for details  
 Supply Tolerance :  $\pm 15\%$   
 Installation : BDM  
 Protection Class : I  
 Degree of Protection : IP20  
 Remarks:

- When installing the equipment, all requirements of the mentioned standard must be fulfilled and it should be suitably installed in closed electrical operation area.
- Maximum operating temperature is 40°C.
- The input and output circuits were considered as DVC C circuits and signal circuit was considered as DVC A circuit.
- TN-S, TN-C, TN-C-S and TT (not corner earthed) power systems were evaluated.
- The frequency inverter has no overcurrent protective device. For safety operation, a suitable external circuit breaker must be employed before installation.

### Tested according to:

EN 61800-5-1:2007

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Product Service

Model No.	Rated Input	Rated Output
GD300-1R5G-4	3 PH, 400V, 47-63Hz, 5.0A	3 PH, 0-400V, 0-400Hz, 3.7A, 1.5 kW
GD300-2R2G-4	3 PH, 400V, 47-63Hz, 5.8A	3 PH, 0-400V, 0-400Hz, 5.0A, 2.2 kW
GD300-004G-4	3 PH, 400V, 47-63Hz, 13.5A	3 PH, 0-400V, 0-400Hz, 9.5A, 4.0kW
GD300-5R5P-4	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD300-5R5G-4	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD300-7R5P-4	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD300-7R5G-4	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD300-011P-4	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD300-011G-4	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD300-015P-4	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW
GD300-015G-4	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW
GD300-018P-4	3 PH, 400V, 47-63Hz, 47A	3 PH, 0-400V, 0-400Hz, 38.0A, 18.5 kW
GD300-018G-4	3 PH, 400V, 47-63Hz, 47A	3 PH, 0-400V, 0-400Hz, 38.0A, 18.5 kW
GD300-022P-4	3 PH, 400V, 47-63Hz, 56A	3 PH, 0-400V, 0-400Hz, 45.0A, 22 kW

Model No.	Rated Input	Rated Output
GD200-1R5G-4	3 PH, 400V, 47-63Hz, 5.0A	3 PH, 0-400V, 0-400Hz, 3.7A, 1.5 kW
GD200-2R2G-4	3 PH, 400V, 47-63Hz, 5.8A	3 PH, 0-400V, 0-400Hz, 5.0A, 2.2 kW
GD200-004G-4	3 PH, 400V, 47-63Hz, 13.5A	3 PH, 0-400V, 0-400Hz, 9.5A, 4.0kW
GD200-5R5P-4	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD200-5R5G-4	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD200-7R5P-4	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD200-7R5G-4	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD200-011P-4	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD200-011G-4	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD200-015P-4	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW
GD200-015G-4	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW
GD200-018P-4	3 PH, 400V, 47-63Hz, 47A	3 PH, 0-400V, 0-400Hz, 38.0A, 18.5 kW
GD200-018G-4	3 PH, 400V, 47-63Hz, 47A	3 PH, 0-400V, 0-400Hz, 38.0A, 18.5 kW
GD200-022P-4	3 PH, 400V, 47-63Hz, 56A	3 PH, 0-400V, 0-400Hz, 45.0A, 22 kW

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**No: N8 12 04 72237 057**



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Model No.	Rated Input	Rated Output
GD35-004G-4-A1, GD35-004G-4-B1, GD35-004G-4-C1, GD35-004G-4-D1, GD35-004G-4-H1,	3 PH, 400V, 47-63Hz, 13.5A	3 PH, 0-400V, 0-400Hz, 9.5A, 4.0KW
GD35-5R5G-4-A1, GD35-5R5G-4-B1, GD35-5R5G-4-C1, GD35-5R5G-4-D1, GD35-5R5G-4-H1,	3 PH, 400V, 47-63Hz, 19.5A	3 PH, 0-400V, 0-400Hz, 14.0A, 5.5 kW
GD35-7R5G-4-A1, GD35-7R5G-4-B1, GD35-7R5G-4-C1, GD35-7R5G-4-D1, GD35-7R5G-4-H1,	3 PH, 400V, 47-63Hz, 25.0A	3 PH, 0-400V, 0-400Hz, 18.5A, 7.5 kW
GD35-011G-4-A1, GD35-011G-4-B1, GD35-011G-4-C1, GD35-011G-4-D1, GD35-011G-4-H1,	3 PH, 400V, 47-63Hz, 32.0A	3 PH, 0-400V, 0-400Hz, 25.0A, 11.0 kW
GD35-015G-4-A1, GD35-015G-4-B1, GD35-015G-4-C1, GD35-015G-4-D1, GD35-015G-4-H1	3 PH, 400V, 47-63Hz, 40.0A	3 PH, 0-400V, 0-400Hz, 32.0A, 15.0 kW