



Product Service

CERTIFICATE

No. B 072237 0108 Rev. 03

Holder of Certificate: **Shenzhen INVT Electric Co., Ltd.**
INVT Guangming Technology Building, Songbai Road
Matian, Guangming District
518106 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. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64105203041401

Valid until: 2025-08-10

Date, 2020-08-11


(Frank Zhu)

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Model(s):

GD20-0R4G-S2, GD20-0R7G-S2, GD20-1R5G-S2,
GD20-2R2G-S2, GD20-0R4G-2, GD20-0R7G-2, GD20-0R7G-4,
GD20-1R5G-4, GD20-2R2G-4, GD20-1R5G-2, GD20-2R2G-2,
GD20-004G-2, GD20-004G-4, GD20-5R5G-4, GD20-5R5G-2,
GD20-7R5G-4, GD20-7R5G-2, GD20-011G-4, GD20-015G-4,
GD20-018G-4, GD20-022G-4, GD20-030G-4, GD20-037G-4,
GD20-045G-4, GD20-045G-4-B, GD20-055G-4, GD20-055G-4-B,
GD20-075G-4, GD20-075G-4-B, GD20-090G-4, GD20-090G-4-B,
GD20-110G-4, GD20-110G-4-B, GD20-0R4G-S2-EU,
GD20-0R7G-S2-EU, GD20-1R5G-S2-EU, GD20-2R2G-S2-EU,
GD20-0R4G-2-EU, GD20-0R7G-2-EU, GD20-0R7G-4-EU,
GD20-1R5G-4-EU, GD20-2R2G-4-EU, GD20-1R5G-2-EU,
GD20-2R2G-2-EU, GD20-004G-2-EU, GD20-004G-4-EU,
GD20-5R5G-4-EU, GD20-5R5G-2-EU, GD20-7R5G-4-EU,
GD20-7R5G-2-EU, GD20-011G-4-EU, GD20-015G-4-EU,
GD20-018G-4-EU, GD20-022G-4-EU, GD20-030G-4-EU,
GD20-037G-4-EU, GD20-045G-4-EU, GD20-045G-4-B-EU,
GD20-055G-4-EU, GD20-055G-4-B-EU, GD20-075G-4-EU,
GD20-075G-4-B-EU, GD20-090G-4-EU, GD20-090G-4-B-EU,
GD20-110G-4-EU, GD20-110G-4-B-EU, GD350A-018G/022P-4,
GD350A-022G/030P-4, GD350A-030G/037P-4,
GD350A-037G/045P-4, GD350A-045G/055P-4,
GD350A-055G/075P-4, GD350A-075G/090P-4,
GD350A-090G/110P-4, GD350A-110G/132P-4

Brand Name:

INVT



Parameters:

Rated Input : See below table for details
Rated Output : See below table for details
Protection Class : I
Construction : Built-in
Installation : BDM

Remark:

- When installing the equipment, all requirements of the mentioned standard must be fulfilled and it should be suitably installed in closed electrical operation area, and fire/mechanical protection enclosure shall be provided.
- Maximum operating temperature is 40 degree 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 safe operation, a suitable external circuit breaker must be employed before installation.

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| Model No. | Rated Input | Rated Output* | Frame Size | |
|---------------------------------|--|--|--------------------------------|---------------------------------|
| GD20-0R4G-S2 GD20-0R4G-S2-EU | 1PH, 220V(-15%)-240V(+10%), 47-63Hz, 6.5A | 3PH, 0V-Uinput, 0-400Hz, 2.5A, 0.4kW | Size A: 80×160× 123.5 mm | |
| | 1PH, 200V-240V,47-63Hz, 6.5A | | | |
| GD20-0R7G-S2 GD20-0R7G-S2-EU | 1PH, 220V(-15%)-240V(+10%), 47-63Hz, 9.3A | 3PH, 0V-Uinput, 0-400Hz, 4.2A, 0.7kW | | |
| | 1PH, 200V-240V,47-63Hz, 9.3A | | | |
| GD20-1R5G-S2 GD20-1R5G-S2-EU | 1PH, 220V(-15%)-240V(+10%), 47-63Hz, 15.7A | 3PH, 0V-Uinput, 0-400Hz, 7.5A, 1.5kW | Size B: 80×185× 140.5 mm | |
| | 1PH, 200V-240V,47-63Hz, 15.7A | | | |
| GD20-2R2G-S2 GD20-2R2G-S2-EU | 1PH, 220V(-15%)-240V(+10%), 47-63Hz, 24.0A | 3PH, 0V-Uinput, 0-400Hz, 10.0A, 2.2kW | | |
| | 1PH, 200V-240V,47-63Hz, 24.0A | | | |
| GD20-0R4G-2 GD20-0R4G-2-EU | 3PH, 220V(-15%)-240V(+10%), 47-63Hz, 3.7A | 3PH, 0V-Uinput, 0-400Hz, 2.5A, 4.0kW | Size C: 80×185× 140.5 mm | |
| | 3PH, 200V-240V,47-63Hz, 3.7A | | | |
| GD20-0R7G-2 GD20-0R7G-2-EU | 3PH, 220V(-15%)-240V(+10%), 47-63Hz, 5.0A | 3PH, 0V-Uinput, 0-400Hz, 4.2A, 0.75kW | | |
| | 3PH, 200V-240V,47-63Hz, 5.0A | | | |
| GD20-0R7G-4 GD20-0R7G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 3.4A | 3PH, 0V-Uinput, 0-400Hz, 2.5A, 0.75kW | | |
| | 3PH, 380V-480V,47-63Hz, 3.4A | | | |
| GD20-1R5G-4 GD20-1R5G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 5.0A | 3PH, 0V-Uinput, 0-400Hz, 4.2A, 1.5kW | | |
| | 3PH, 380V-480V,47-63Hz, 5.0A | | | |
| GD20-2R2G-4 GD20-2R2G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 5.8A | 3PH, 0V-Uinput, 0-400Hz, 5.5A, 2.2kW | | |
| | 3PH, 380V-480V,47-63Hz, 5.8A | | | |
| GD20-1R5G-2 GD20-1R5G-2-EU | 3PH, 220V(-15%)-240V(+10%), 47-63Hz, 7.7A | 3PH, 0V-Uinput, 0-400Hz, 7.5A, 1.5kW | Size D: 146×256× 167 mm | |
| | 3PH, 200V-240V,47-63Hz, 7.7A | | | |
| GD20-2R2G-2 GD20-2R2G-2-EU | 3PH, 220V(-15%)-240V(+10%), 47-63Hz, 11.0A | 3PH, 0V-Uinput, 0-400Hz, 10.0A, 2.2kW | | |
| | 3PH, 200V-240V,47-63Hz, 11.0A | | | |
| GD20-004G-2 GD20-004G-2-EU | 3PH, 220V(-15%)-240V(+10%), 47-63Hz, 17.0A | 3PH, 0V-Uinput, 0-400Hz, 16.0A, 4.0kW | | |
| | 3PH, 200V-240V,47-63Hz, 17.0A | | | |
| GD20-004G-4 GD20-004G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 13.5A | 3PH, 0V-Uinput, 0-400Hz, 9.5A, 4.0kW | | |
| | 3PH, 380V-480V,47-63Hz, 13.5A | | | |
| GD20-5R5G-4 GD20-5R5G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 19.5A | 3PH, 0V-Uinput, 0-400Hz, 14.0A, 5.5kW | | |
| | 3PH, 380V-480V, 47-63Hz, 19.5A | | | |
| GD20-5R5G-2 GD20-5R5G-2-EU | 3PH, 220V(-15%)-240V(+10%), 47-63Hz, 21.0A | 3PH, 0V-Uinput, 0-400Hz, 20.0A, 5.5kW | | |
| | 3PH, 200V-240V,47-63Hz, 21.0A | | | |
| GD20-7R5G-2 GD20-7R5G-2-EU | 3PH, 220V(-15%)-240V(+10%), 4 7-63Hz, 31.0A | 3PH, 0V-Uinput, 0-400Hz, 30.0A, 7.5kW | | Size E: 170×320× 196.3 mm |
| | 3PH, 200V-240V,47-63Hz, 31.0A | | | |
| GD20-7R5G-4 GD20-7R5G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 25.0A | 3PH, 0V-Uinput, 0-400Hz, 18.5A, 7.5kW | | |
| | 3PH, 380V-480V, 47-63Hz, 25.0A | | | |
| GD20-011G-4 GD20-011G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 32.0A | 3PH, 0V-Uinput, 0-400Hz, 25.0A, 11.0kW | | |
| | 3PH, 380V-480V, 47-63Hz, 32.0A | | | |

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| Model No. | Rated Input | Rated Output* | Frame Size |
|-----------------------------------|--|--|-----------------------------------|
| GD20-015G-4 GD20-015G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 40.0A | 3PH, 0V-Uinput, 0-400Hz, 32.0A, 15.0kW | Size E: 170×320× 196.3 mm |
| | 3PH, 380V-480V, 47-63Hz, 40.0A | | |
| GD20-018G-4 GD20-018G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 47.0A | 3PH, 0V-Uinput, 0-400Hz, 38.0A, 18.5kW | Size F: 200×340.6× 184.3 mm |
| | 3PH, 380V-480V, 47-63Hz, 47.0A | | |
| GD20-022G-4 GD20-022G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 51.0A | 3PH, 0V-Uinput, 0-400Hz, 45.0A, 22.0kW | Size G: 250×400× 202 mm |
| | 3PH, 380V-480V, 47-63Hz, 51.0A | | |
| GD20-030G-4 GD20-030G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 70.0A | 3PH, 0V-Uinput, 0-400Hz, 60.0A, 30.0kW | Size H: 282×560× 238 mm |
| | 3PH, 380V-480V, 47-63Hz, 70.0A | | |
| GD20-037G-4 GD20-037G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 80.0A | 3PH, 0V-Uinput, 0-400Hz, 75.0A, 37.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 80.0A | | |
| GD20-045G-4 GD20-045G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 98.0A | 3PH, 0V-Uinput, 0-400Hz, 92.0A, 45.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 98.0A | | |
| GD20-045G-4-B GD20-045G-4-B-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 98.0A | 3PH, 0V-Uinput, 0-400Hz, 92.0A, 45.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 98.0A | | |
| GD20-055G-4 GD20-055G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 128.0A | 3PH, 0V-Uinput, 0-400Hz, 115.0A, 55.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 128.0A | | |
| GD20-055G-4-B GD20-055G-4-B-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 128.0A | 3PH, 0V-Uinput, 0-400Hz, 115.0A, 55.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 128.0A | | |
| GD20-075G-4 GD20-075G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 139.0A | 3PH, 0V-Uinput, 0-400Hz, 150.0A, 75.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 139.0A | | |
| GD20-075G-4-B GD20-075G-4-B-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 139.0A | 3PH, 0V-Uinput, 0-400Hz, 150.0A, 75.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 139.0A | | |
| GD20-090G-4 GD20-090G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 168.0A | 3PH, 0V-Uinput, 0-400Hz, 180.0A, 90.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 168.0A | | |
| GD20-090G-4-B GD20-090G-4-B-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 168.0A | 3PH, 0V-Uinput, 0-400Hz, 180.0A, 90.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 168.0A | | |
| GD20-110G-4 GD20-110G-4-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 201.0A | 3PH, 0V-Uinput, 0-400Hz, 215.0A, 110.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 201.0A | | |
| GD20-110G-4-B GD20-110G-4-B-EU | 3PH, 380V(-15%)-440V(+10%), 47-63Hz, 201.0A | 3PH, 0V-Uinput, 0-400Hz, 215.0A, 110.0kW | Size I: 338×554× 329.2 mm |
| | 3PH, 380V-480V, 47-63Hz, 201.0A | | |

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| Model No. | Rated Input | Rated Output * | Frame Size | |
|--------------------|---|---|-------------------------------|---------------------------------|
| GD350A-018G/022P-4 | 3PH, 380-480V, 47-63Hz, 45/51A | 3PH, 0-Uinput, 0-400Hz, 38/45A, 18.5/22kW | Size F: 371×266× 208 mm | |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,45/51A | | | |
| GD350A-022G/030P-4 | 3PH, 380-480V, 47-63Hz, 51/64A | 3PH, 0-Uinput, 0-400Hz, 45/60A, 22/30kW | | |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,51/64A | | | |
| GD350A-030G/037P-4 | 3PH, 380-480V, 47-63Hz,64/80A | 3PH, 0-Uinput, 0-400Hz, 60/75A, 30/37kW | Size G: 430×316× 223 mm | |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,64/80A | | | |
| GD350A-037G/045P-4 | 3PH, 380-480V, 47-63Hz,80/98A | 3PH, 0-Uinput, 0-400Hz, 75/92A, 37/45kW | | |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,80/98A | | | |
| GD350A-045G/055P-4 | 3PH, 380-480V, 47-63Hz,98/128A | 3PH, 0-Uinput, 0-400Hz, 92/115A, 45/55kW | Size H: 580×352× 258 mm | |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,98/128A | | | |
| GD350A-055G/075P-4 | 3PH, 380-480V, 47- 63Hz,128/139A | 3PH, 0-Uinput, 0-400Hz, 115/150A, 55/75kW | | |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,128/139A | | | |
| GD350A-075G/090P-4 | 3PH, 380-480V, 47- 63Hz,139/168A | 3PH, 0-Uinput, 0-400Hz, 150/170A, 75/90kW | | |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,139/168A | | | |
| GD350A-090G/110P-4 | 3PH, 380-480V, 47- 63Hz,168/201A | 3PH, 0-Uinput, 0-400Hz, 180/215A, 90/110kW | | Size I: 600×418.5× 330 mm |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,168/201A | | | |
| GD350A-110G/132P-4 | 3PH, 380-480V, 47- 63Hz,201/265A | 3PH, 0-Uinput, 0-400Hz, 215/260A, 110/132kW | | |
| | 3PH, 380V(-15%)-440V(+10%), 47-63Hz,201/265A | | | |

Remark: Uinput - Rated Input Voltage

Tested according to: EN 61800-5-1:2007/A1:2017

Production Facility(ies): 096972