



GD27 DEXTEROUS VFD



**Rock solid quality
Great value for itself**

Goodrive27 is a newly designed dexterous VFD, the product structure is compact, simple and easy to use, reliable performance, rich functions, can be widely used in woodworking, textile, food, printing bag, plastics, logistics conveying equipment and other industries.

Power range

AC 1PH 200~240VAC: 0.4kW~2.2kW

AC 3PH 200~240VAC: 0.4kW~4kW

AC 3PH 380~480VAC: 0.75kW~7.5kW

Features	Advantage
Built-in EMC filter ¹⁾	Applications that meet EN/IEC 61800-3 category C3 requirements
Built-in STO function ¹⁾	Applications that meet EN/IEC61800-5-2 SIL3 class requirements
Compact book-type design	Can be installed side by side, saving cabinet space
PUSH-IN spring-type control terminals	Tool-free wiring, saving 50% of wiring time
Supports rail mounting ²⁾	Disassembly and assembly save time and effort
Free cooling (box A)	No noise, good environmental adaptability
Support parameter copy keypad	Easy batch operation and maintenance
There are two models: standard version and EU version	Choose the right product model and save procurement costs
Support IM and PM motors	Choose the motor that meets the needs of your application
Coated circuit boards	Improve reliability in harsh environments
Pluggable fans	Easy maintenance
Built-in braking unit	No external distribution is required, reducing costs

1) EU models are equipped with built-in STO and EMC filters as standard

2) The guide rail is an option, and only the A and B frames support the rail installation

Rich

Feature-rich

Support sensorless vector control and permanent magnet synchronous motor control; Full range of built-in braking units; Built-in Modbus communication, instantaneous power loss without stopping; Support multi-step speed and simple PLC control; EU models have built-in STO and EMC filters.

Fast

Simple and easy to use

Simple and friendly operation interface, simple parameter structure and PUSH-IN spring control terminals make the installation and commissioning of GD27 easier; The product is small in size and the power terminals is designed without cover, making on-site installation easier and faster.

Stable

Stable and reliable

Through the innovative independent air duct design and standard coated circuit board, dust and oil are prevented from entering the VFD, and the electronic components on the PCB board are fully protected to ensure a longer service life and reliability.

Save

Cost saving

GD27 adopts book-based design and supports side-by-side installation, saving cabinet space and reducing system cost; Provide standard version and EU version of two models, customers can flexibly choose the right products according to application needs, reduce procurement costs.



Textile machinery

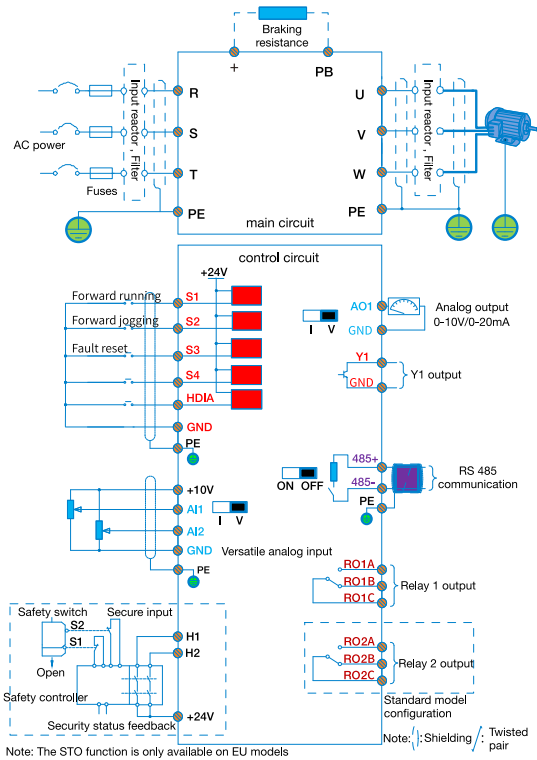


Logistics equipment



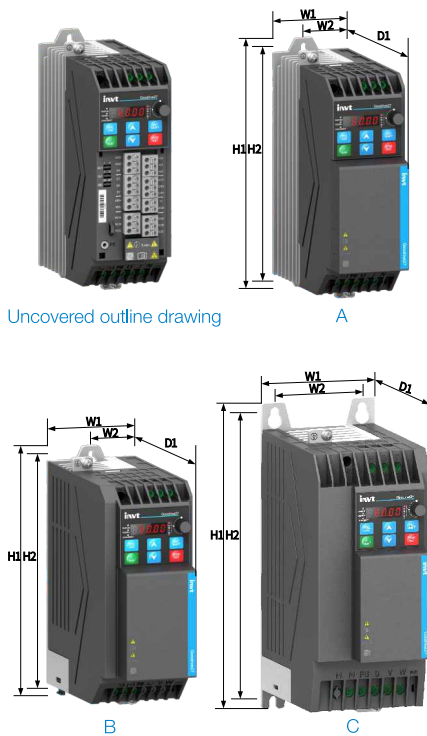
Food & Beverage

VFD wiring diagram



Product specifications

Input voltage	AC 1PH 200V ~ 240V AC 3PH 200V ~ 240V AC 3PH 380V ~ 480V
Overload capacity	150%/60s ,180%/10s
IP rating	IP20
Environmental conditions	-10~50°C
Elevation	Below 1000m ,1000-2000m increase 1% capacity reduction for every 100m increase
EMC	EU model built-in C3 filter to meet C3 class requirements (4kHz/10m)
Security technology	Safety Torque OFF (STO) meets EN/IEC 61800-5-2:SIL3 design
Motor control	SVPWM (V/F), Sensorless vector control (SVC)
Motor type	Asynchronous motor, permanent-magnet synchronous motor
External power supply	10V, maximum output 50mA; 24V, maximum output 100mA
Analog input	AI1: 0~10V/0~20mA; AI2: 0~10V
Analog output	AO1: 0~10V/0~20mA
Digital input	4 normal inputs, maximum frequency 1kHz; 1 high-speed input, maximum frequency 50KHz
Digital output	1 Y-terminal open-collector output
Relay output	2 sets of relay outputs (3A/AC250V, 1A/DC30V) Note: The EU model has one relays and STO function terminals
Communication	The built-in 485 ModBus protocol comes standard with the built-in protocol
Authentication	Meet CE certification requirements



Inverter specifications	Boundary Dimension (mm)			Mounting hole position (mm)		Mounting hole diameter (mm)	Frame structure
	W1	H1	D1	W2	H2		
GD27-0R4G-S2-B-xx	60	190	155	36	180	Ø 5	A
GD27-0R7G-S2-B-xx	60	190	155	36	180	Ø 5	A
GD27-1R5G-S2-B-xx	70	190	155	36	180	Ø 5	B
GD27-2R2G-S2-B-xx	70	190	155	36	180	Ø 5	B
GD27-0R4G-2-B-EU	60	190	155	36	180	Ø 5	A
GD27-0R7G-2-B-EU	60	190	155	36	180	Ø 5	A
GD27-1R5G-2-B-EU	70	190	155	36	180	Ø 5	B
GD27-2R2G-2-B-EU	70	190	155	36	180	Ø 5	B
GD27-004G-2-B-EU	90	235	155	70	220	Ø 6	C
GD27-0R7G-4-B-xx	60	190	155	36	180	Ø 5	A
GD27-1R5G-4-B-xx	60	190	155	36	180	Ø 5	A
GD27-2R2G-4-B-xx	70	190	155	36	180	Ø 5	B
GD27-003G-4-B-xx	70	190	155	36	180	Ø 5	B
GD27-004G-4-B-xx	70	190	155	36	180	Ø 5	B
GD27-5R5G-4-B-xx	90	235	155	70	220	Ø 6	C
GD27-7R5G-4-B-xx	90	235	155	70	220	Ø 6	C

Note: -xx means no or -EU, -EU means with STO and EMC filtering;
While the product is being improved, the information is subject to change without notice.
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