

FUGONG

PRODUCT CATALOG

INNOVATION DRIVEN •
INTELLIGENT CONTROL OF THE FUTURE



Efficient, Reliable, Stable

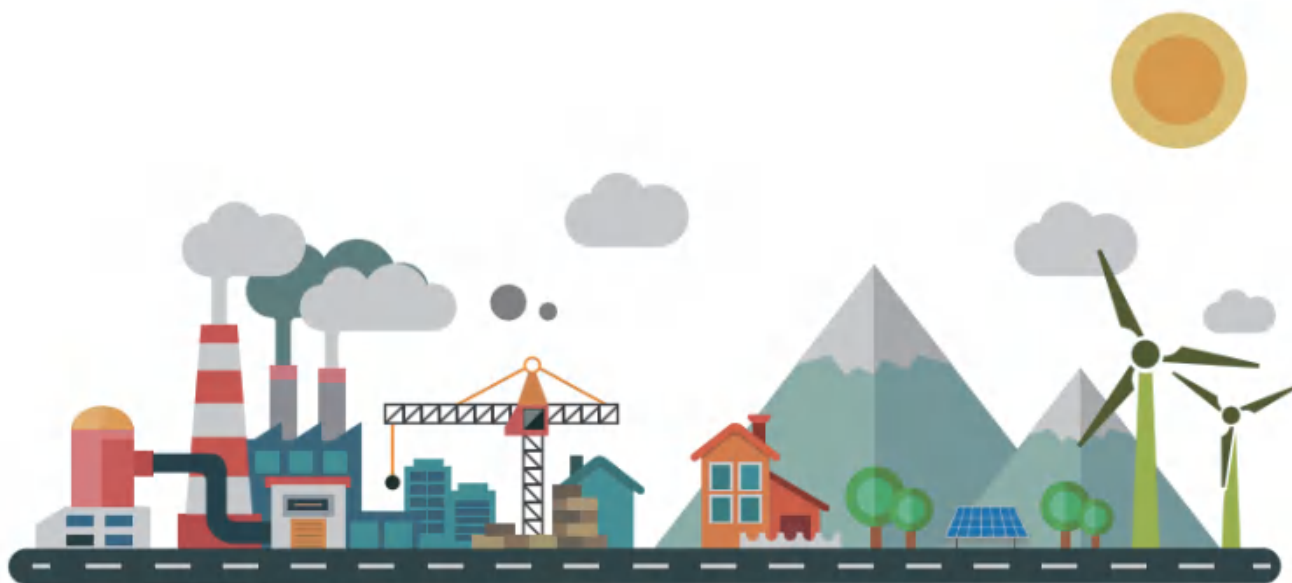
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PREFACE

Striving to become the most trusted supplier in the domestic industrial control field !

Thank you all for your continued support and trust in FuGong! We will showcase the advantages of our various product series through a comprehensive product catalog, providing you with an intuitive and convenient channel to access information, to help you understand us more quickly !



Company Profile

Fugong Power, with its profound accumulation in the fields of industrial control technology and liquid cooling technology, has become a major supplier in the fields of industrial control and liquid cooling, as well as in the drive control of new energy vehicles, possessing a complete product development, manufacturing, sales, and service platform company.

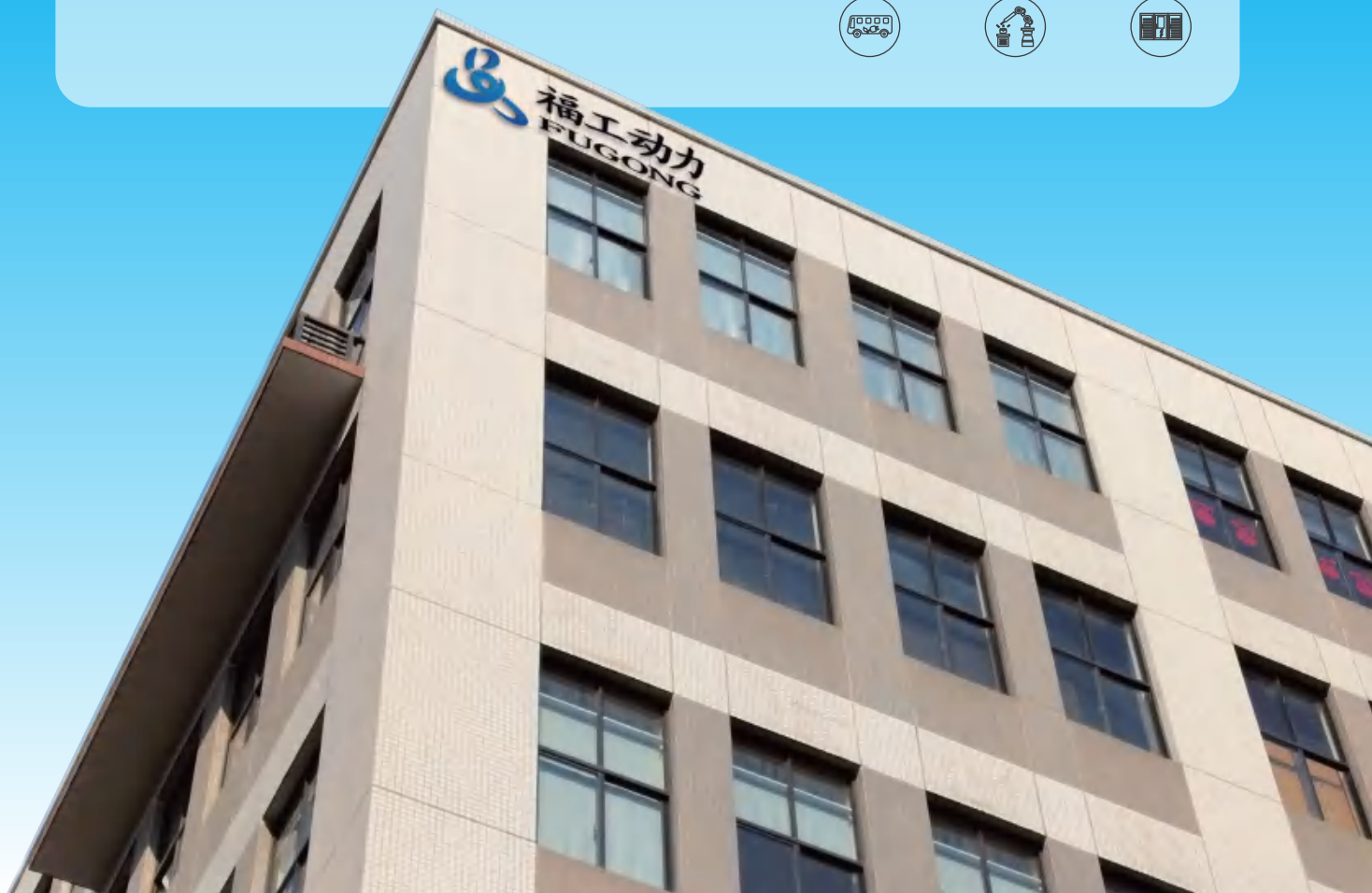
Manufacturing

The production workshop covers an area of approximately 30000 m², with advanced automated production equipments and comprehensive testing equipments, with an annual production capacity of 100,000 units.

R&D

With more than 1,600 m² of R&D space, up to now, we have obtained 161 certified patents, including 2 overseas invention patents. It not only confirms our innovation ability and international vision, but also serves as a solid foundation for our technological advancement and product reliability.

The company's AC drives and peripheral products are widely used in photovoltaic, plastics, packaging and printing, food processing machinery, chemical and other industries, covering a power range of 0.4kW to 1000kW, and rich extended features to make the products better adapt to a variety of industrial scenarios. With excellent performance and comprehensive functions, the products have been certified by authoritative testing organizations and have become the mainstream of domestic industrial control field.



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Naming Rules

01

Product Series No.

02

Default: Generic model

1: High-speed motor

E: synchronous motor

S: Wire Drawing Machine

L: Injection moulding machines

M: Woodworking Rotary Cutting Machine

K: Specialised openers

03

Voltage class

2S: Single phase 220V

2T: Three phase 220V

4T: Three phase 380V

FG300E-4T-55GB/75PB-L

04

Adaptable Power

G: G-type 55KW motor

P: P-type 75KW motor

05

Contains reactor

L: Contains DC reactor

I: Contains AC input reactor

O: Contains AC output reactor

H: Contains AC input and output reactor

06

Built-in Braking Unit

Blank: No

B: Yes

FG300

High Performance Vector Drives

It is a product developed on the high-performance vector technology platform of Fugong Power by adopting the magnetic field orientated vector control technology, which can easily drive the induction motor. Under the premise of high performance and high reliability, the components are reasonably laid out to achieve a book-like narrow body design, equipped with rich expansion interfaces and new expansion accessories, featuring high performance, high reliability, high power density and high applicability.

**Power Range**

0.75kW~710kW

Product Characteristics

01

Powerful performance

Equipped with vector control technology, it achieves precise speed control and high torque output, especially in low-speed operation.

02

Compact design

Book-type structure, high power density, adapt to a variety of installation methods, optimise the use of space, and enhance the efficiency of heat dissipation.

03

Versatility

Modular design, easy to expand, support for remote operation, simplify the debugging process, equipped with a variety of easy-to-use keyboard.

04

High reliability

Independent air ducts and advanced thermal management to adapt to harsh environments, and rigorous testing to ensure long-term stable operation.

Technical Specifications

Power input	Rated input voltage	200V Voltage Class: Single/Three-phase 200V ~ 240V; 400V Voltage Class: Three-phase 380V~440V
	Frequency	50Hz/60Hz, Tolerance±5%
	Voltage range	-15% ~ +15%, Voltage out-of-balance rate<3%,
Power output	Output voltage	Three-phase: 0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 600.00Hz (Can be changed by parameter)
	Overload capacity	G type:150% - 60 s, P type:120% - 60 s
Control characteristics	Control mode	SVC、FVC、V/F control
	Starting torque	0.25Hz/150% (SVC) , 0Hz/200% (FVC)
Carrier frequency	0.5kHz ~ 16kHz	
Input & Output terminals	Analog input	2 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	5 way DI, DI5 can be equipped with high-speed pulse input as an option., 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital output	1 way DO, Optional high speed pulse output, 0~100kHz
	Relay output	1 relay output: T1 (normally open and normally closed), Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C , The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	5 ~ 95%, no condensation
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-20°C ~ +60°C

Configuration Parameters

Single phase: 200V ~ 240V

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC reactor
FG300-2S-0.75GB	0.75	4.0	8.2	0.08	≥ 150	Inbuilt	none
FG300-2S-1.5GB	1.5	7.0	14	0.1	≥ 100		
FG300-2S-2.2GB	2.2	9.6	23	0.1	≥ 70		
FG300-2S-3.7GB	3.7	17	35	0.2	≥ 40		
FG300-2S-5.5GB	5.5	25	50	0.3	≥ 26		
FG300-2S-7.5GB	7.5	32	61.5	0.5	≥ 16		
FG300-2S-11GB	11	45	90	0.8	≥ 11	Inbuilt optional	Inbuilt optional
FG300-2S-15G	15	60	120	1.0	≥ 10		
FG300-2S-18.5G	18.5	75	150	1.4	≥ 8.0		

Three phase: 200V ~ 240V

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC reactor
FG300-2T-0.75GB	0.75	4.0	4.8	0.08	≥ 150	Inbuilt	none
FG300-2T-1.5GB	1.5	7.0	8.8	0.1	≥ 100		
FG300-2T-2.2GB	2.2	9.6	12	0.1	≥ 70		
FG300-2T-3.7GB	3.7	16	21	0.2	≥ 40		
FG300-2T-5.5GB	5.5	20	26	0.3	≥ 25		
FG300-2T-7.5GB	7.5	30	39	0.5	≥ 16		
FG300-2T-11GB	11	42	55	0.8	≥ 11	Inbuilt optional	Inbuilt optional
FG300-2T-15G	15	55	60	1.0	≥ 10		
FG300-2T-18.5G	18.5	70	75	1.4	≥ 8.0		

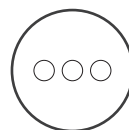
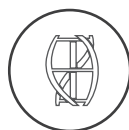
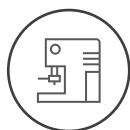
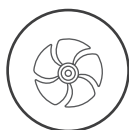
Three phase: 380V ~ 440V

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC reactor
FG300-4T-0.75GB	0.75	2.5	3.5	0.15	≥ 150	Inbuilt	none
FG300-4T-1.5GB	1.5	3.8	4.6	0.15	≥ 150		
FG300-4T-2.2GB	2.2	5.1	6.3	0.3	≥ 100		
FG300-4T-3.7GB	3.7	9.0	11.5	0.3	≥ 76		
FG300-4T-5.5GB	5.5	13	16.8	0.4	≥ 76		
FG300-4T-7.5GB	7.5	17	22	0.5	≥ 76		
FG300-4T-11GB	11	25	32.5	0.8	≥ 40		
FG300-4T-15GB/18.5PB	15/18.5	32/37	41.5/49.6	1.0	≥ 27		
FG300-4T-18.5GB/22PB	18.5/22	37/45	49.6/59	4.0	≥ 27		
FG300-4T-22GB/30PB	22/30	45/60	59/65	4.5	≥ 27		
FG300-4T-30G/37P	30/37	60/75	65/80	6.0	≥ 16	Inbuilt optional	Inbuilt optional
FG300-4T-37G/45P	37/45	75/91	80/95	7.4	≥ 16		
FG300-4T-45G/55P	45/55	91/112	95/118	9.0	≥ 14		
FG300-4T-55G/75P	55/75	112/150	118/157	11	≥ 10		
FG300-4T-75G/90P	75/90	150/176	157/180	15	≥ 8.0		
FG300-4T-90G/110P	90/110	176/210	180/214	18	≥ 6.8		
FG300-4T-110G/132P	110/132	210/253	214/256	22	≥ 6.8		
FG300-4T-132G/160P	132/160	253/304	240/287	27	≥ 4.5	Externally mounted when needed	Inbuilt
FG300-4T-160G/185P	160/185	304/326	287/306	32	≥ 3.6		
FG300-4T-185G/200P	185/200	326/377	306/365	37	≥ 3.3		
FG300-4T-200G/220P	200/220	377/426	365/410	40	≥ 3.3		
FG300-4T-220G/250P	220/250	426/465	410/441	44	≥ 2.7		
FG300-4T-250G/280P	250/280	465/520	441/495	50	≥ 2.7		
FG300-4T-280G/315P	280/315	520/585	495/565	56	≥ 2.2		

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC reactor
FG300-4T-315G/355P	315/355	585/650	565/617	63	≥ 1.9	Externally mounted when needed	Inbuilt
FG300-4T-355G/400P	355/400	650/725	617/687	70	≥ 1.7		
FG300-4T-400G/450P	400/450	725/820	687/782	80	≥ 1.6		
FG300-4T-450G/500P	450/500	820/860	790/835	90	≥ 1.3		
FG300-4T-500G/560P	500/560	860/950	835/920	100	≥ 1.2		
FG300-4T-560G/630P	560/630	950/1100	920/1050	120	≥ 1.2		
FG310-4T-630G/710P	630/710	1100/1260	1050/1198	/	/	/	Standard input reactor
FG310-4T-710G/800P	630/710	1260/1500	1198/1426	/	/		

Applications

Fan pumps, air compressors, wire drawing machines, injection moulding machines, ball mills, machine tools, centrifuges, industrial washing machines and other industries and equipment.



FG200

Series Mini AC Drives

This product is a product developed on the latest technology platform of Fugong Power, which is a targeted mini AC drive based on the market demand of small power, small volume and easy speed regulation. As a compact AC drive product with small volume and large capacity, it has significant advantages such as high power density, high EMC specification design and high reliability.



Power Range

0.4kW~5.5kW

Product Characteristics

01

Power Control

High-performance vector control technology ensures stable operation at low speeds and high torque output.

02

Simple & Easy To Use

Compact size, support a variety of installation methods, simplify the installation and debugging.

03

Flexible Functions

Flexible speed command selection, multiple running command giving methods, support for upper computer operation.

04

High Reliability

Efficient heat dissipation design, comprehensive protection features.

Technical Specifications

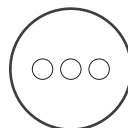
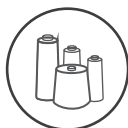
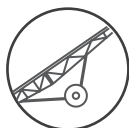
Power input	Rated input voltage	200V Voltage Class:single/three-phase 200V ~ 240V; 400V Voltage Class:Three-phase 380V~440V
	Frequency	50Hz/60Hz, Tolerance±5%
	Voltage range	-15% ~ +15%, Voltage out-of-balance rate<3%
Power output	Output voltage	Three phase: 0%-rated input voltage, error < ±3%
	Output frequency	0 ~ 600.00Hz (Can be changed by parameter)
	Overload capacity	150% - 60 s
Control characteristics	Control mode	SVC、V/F control
	Starting torque	0.25Hz/150% (SVC)
Carrier frequency	0.5kHz ~ 16kHz	
Input & Output terminals	Analog input	1 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	4 way DI, DI4 can be optionally equipped with a high-speed pulse input., 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital output	1 way DO, Pull-up voltage range: 5V~24V, Output Current Range: 0~20mA
	Relay output	2 relay output: T1 (normally open and normally closed), T2 (normally open) optional, Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C , The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	5 ~ 95%, no condensation
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-20°C ~ +60°C

Configuration Parameters

Mode	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit
Single phase: 220V, 50/60Hz Range: -15%~+15%						
FG200-2S-0.4GB	0.4	2.3	5.0	0.08	≥ 150	Inbuilt
FG200-2S-0.75GB	0.75	4.0	8.2	0.08	≥ 150	
FG200-2S-1.5GB	1.5	7.0	14	0.1	≥ 100	
FG200-2S-2.2GB	2.2	9.6	23	0.1	≥ 70	
Three phase: 220V, 50/60Hz Range: -15%~+15%						
FG200-2T-0.4GB	0.4	2.3	4.0	0.08	≥ 150	Inbuilt
FG200-2T-0.75GB	0.75	4.0	4.8	0.08	≥ 150	
FG200-2T-1.5GB	1.5	7.0	8.8	0.1	≥ 100	
FG200-2T-2.2GB	2.2	9.6	12	0.1	≥ 70	
Three phase: 380V, 50/60Hz Range: -15%~+15%						
FG200-4T-0.4GB	0.4	1.5	1.9	0.15	≥ 150	Inbuilt
FG200-4T-0.75GB	0.75	2.5	3.5	0.15	≥ 150	
FG200-4T-1.5GB	1.5	3.8	4.6	0.15	≥ 150	
FG200-4T-2.2GB	2.2	5.1	6.3	0.3	≥ 100	
FG200-4T-4.0GB	4.0	9.5	12.1	0.3	≥ 76	
FG200-4T-5.5GB	5.5	13	16.8	0.4	≥ 76	

Applications

Transport belts, automated production lines, automatic doors, wood processing, optical grinding, food processing, pharmaceutical centrifuges, logistics equipment, ceramic equipment, sewage treatment, constant pressure water supply, textiles and other small automated machinery.



FG310

High Performance Vector Drives



The product is products are compatible with synchronous and asynchronous motor control, and under the premise of high performance and high reliability, reasonable layout of parts and components to achieve a book-style narrow body design. Strengthen the customer ease of use and industry-specialized design, configured with a wealth of expansion interfaces and new expansion accessories, to achieve high performance, high reliability, high power density, high applicability of the characteristics.

Power Range

0.75kW~710kW

Product Characteristics

01

High-performance vector general purpose platform, new motor control algorithms.

02

Integration of synchronous and asynchronous drive, open loop and closed loop.

03

Comprehensive full series of book-type design, maximize the installation space savings.

04

Hardware and software modular design, powerful expansion capability.

05

Comprehensive expansion interface, rich selection of accessories, covering a variety of applications.

06

New air duct design, full range of DC fan cooling, safe and reliable.

Technical Specifications

Power input	Rated input voltage	200V Voltage Class: Single/Three-phase 200V ~ 240V 400V Voltage Class: Three-phase 380V ~ 440V
	Frequency	50Hz/60Hz, Tolerance±5%
	Voltage range	-15% ~ +15%, Voltage out-of-balance rate<3%
Power output	Output voltage	Three-phase: 0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 599.00Hz (changeable by parameter)
	Overload capacity	G type:150% - 60 s, P type:120% - 60 s
Control characteristics	Control mode	SVC、FVC、V/F control
	Starting torque	0.25Hz/150% (SVC) , 0Hz/200% (FVC)
Carrier frequency	1.0kHz ~ 16kHz	
Input & Output terminals	Analog input	2 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	5 way DI, DI5 can be equipped with high-speed pulse input as an option., 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital output	1 way DO, Optional high speed pulse output, 0~100kHz
	Relay output	1 relay output: T1 (normally open and normally closed), Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C , The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	5~95%, no condensation
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-20°C ~ +60°C

Configuration Parameters

Single phase: 200V ~ 240V

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC reactor
FG310-2S-0.75GB	0.75	4.0	8.2	0.08	≥ 150	Inbuilt	none
FG310-2S-1.5GB	1.5	7.0	14	0.1	≥ 100		
FG310-2S-2.2GB	2.2	9.6	23	0.1	≥ 70		
FG310-2S-4.0GB	3.7	16	33	0.2	≥ 40		
FG310-2S-5.5GB	5.5	20	40	0.3	≥ 26		
FG310-2S-7.5GB	7.5	30	58	0.5	≥ 16		
FG310-2S-11GB	11	42	84	0.8	≥ 11	Inbuilt optional	Inbuilt optional
FG310-2S-15G	15	55	110	1.0	≥ 10		
FG310-2S-18.5G	18.5	70	140	1.4	≥ 8.0		

Three phase: 200V ~ 240V

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC reactor
FG310-2T-0.75GB	0.75	4.0	4.8	0.08	≥ 150	Inbuilt	none
FG310-2T-1.5GB	1.5	7.0	8.8	0.1	≥ 100		
FG310-2T-2.2GB	2.2	9.6	12	0.1	≥ 70		
FG310-2T-4.0GB	3.7	16	21	0.2	≥ 40		
FG310-2T-5.5GB	5.5	20	26	0.3	≥ 25		
FG310-2T-7.5GB	7.5	30	39	0.5	≥ 16		
FG310-2T-11GB	11	42	55	0.8	≥ 11	Inbuilt optional	Inbuilt optional
FG310-2T-15G	15	55	60	1.0	≥ 10		
FG310-2T-18.5G	18.5	70	75	1.4	≥ 8		

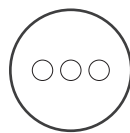
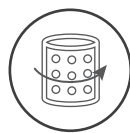
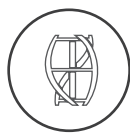
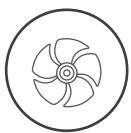
Three phase:380V ~ 440V

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC reactor
FG310-4T-0.75GB/1.5PB	0.75/1.5	2.5/3.8	3.5/4.6	0.15	≥ 150	Inbuilt	none
FG310-4T-1.5GB/2.2PB	1.5/2.2	3.8/5.1	4.6/6.3	0.15	≥ 150		
FG310-4T-2.2GB/4.0PB	2.2/4.0	5.1/9.0	6.3/11.5	0.3	≥ 100		
FG310-4T-4.0GB/5.5PB	4.0/5.5	9.0/13	11.5/16.8	0.3	≥ 76		
FG310-4T-5.5GB/7.5PB	5.5/7.5	13/17	16.8/22	0.4	≥ 76		
FG310-4T-7.5GB/11PB	7.5/11	17/25	22/32.5	0.5	≥ 76		
FG310-4T-11GB/15PB	11/15	25/32	32.5/41.5	0.8	≥ 40		
FG310-4T-15GB/18.5PB	15/18.5	32/37	41.5/49.6	1.0	≥ 27		
FG310-4T-18.5GB/22PB	18.5/22	37/45	49.6/59	4.0	≥ 27		
FG310-4T-22GB/30PB	22/30	45/60	59/65	4.5	≥ 27		
FG310-4T-30G/37P	30/37	60/75	65/80	6.0	≥ 16	Inbuilt optional	Inbuilt optional
FG310-4T-37G/45P	37/45	75/91	80/95	7.4	≥ 16		
FG310-4T-45G/55P	45/55	91/112	95/118	9.0	≥ 14		
FG310-4T-55G/75P	55/75	112/150	118/157	11	≥ 10		
FG310-4T-75G/90P	75/90	150/176	157/180	15	≥ 8.0		
FG310-4T-90G/110P	90/110	176/210	180/214	18	≥ 6.8		
FG310-4T-110G/132P	110/132	210/253	214/256	22	≥ 6.8		
FG310-4T-132G/160P	132/160	253/304	240/287	27	≥ 4.5	Externally mounted when needed	Inbuilt
FG310-4T-160G/185P	160/185	304/326	287/306	32	≥ 3.6		
FG310-4T-185G/200P	185/200	326/377	306/365	37	≥ 3.3		
FG310-4T-200G/220P	200/220	377/426	365/410	40	≥ 3.3		
FG310-4T-220G/250P	220/250	426/465	410/441	44	≥ 2.7		
FG310-4T-250G/280P	250/280	465/520	441/495	50	≥ 2.7		
FG310-4T-280G/315P	280/315	520/585	495/565	56	≥ 2.2		

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC reactor
FG310-4T-315G/355P	315/355	585/650	565/617	63	≥ 1.9	Externally mounted when needed	Inbuilt
FG310-4T-355G/400P	355/400	650/725	617/687	70	≥ 1.7		
FG310-4T-400G/450P	400/450	725/820	687/782	80	≥ 1.6		
FG310-4T-450G/500P	450/500	820/860	790/835	90	≥ 1.3		
FG310-4T-500G/560P	500/560	860/950	835/920	100	≥ 1.2		
FG310-4T-560G/630P	560/630	950/1100	920/1050	120	≥ 1.2		
FG310-4T-630G/710P-I	630/710	1100/1260	1050/1198	/	/	/	Standard input reactor
FG310-4T-710G/800P-I	710/800	1260/1500	1198/1426	/	/		

Applications

Fans and pumps, air compressors, wire drawing machines, injection moulding machines, ball mills, machine tools, centrifuges, industrial washing machines and other industries and equipment.



FG210

Series Economic AC Drives

The products are based on the user's market demand for miniaturization, high reliability and high cost performance. As a book narrow body inverter, FG210 series products have many advantages such as easy installation, small size, low temperature rise, high protection, powerful software performance and so on.



Power Range

0.4kW~22kW

Product Characteristics

01

Excellent performance

V/F control, vector control, excellent control performance, adapt to complex operating conditions.

02

Stable and Reliable

High standard EMC design, effectively reduce the external interference, to meet the demand for accurate control.

03

Small and Compact

Optimal power density design, effectively minimizing the product volume.

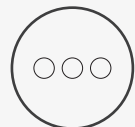
04

Easy and convenient

Built-in industry professional macro application, support for one-key setup industry parameters; support for external keyboard.

Applications

Transport belts, automated production lines, automatic doors, wood processing, optical grinding, food processing, pharmaceutical centrifuges, logistics equipment, ceramic equipment, sewage treatment, constant pressure water supply, textiles and other small automated machinery.



Technical Specifications

Power input	Rated input voltage	200V Voltage Class:single/three-phase 200V ~ 240V; 400V Voltage Class:Three phase 380V~440V
	Frequency	50Hz/60Hz, Tolerance±5%
	Voltage range	-15% ~ +15%, Voltage out-of-balance rate<3%
Power output	Output voltage	Three phase:0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 600.00Hz (Can be changed by parameter)
	Overload capacity	G type:150% - 60 s, P type:120% - 60 s
Control characteristics	Control mode	SVC、V/F control
	Starting torque	0.25Hz/150% (SVC)
Carrier frequency	1.0kHz ~ 16kHz	
Input & Output terminals	Analog input	1 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	4 way DI, DI4 can be equipped with high-speed pulse input as an option. , 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital output	1 way DO, Pull-up voltage range: 5V~24V, Contact drive capability: 0~20mA
	Relay output	2 relay output: T1(normally open and normally closed)、T2 (normally open) , Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C , The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	5~95%, no condensation
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-20°C ~ +60°C

Configuration Parameters

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit
Single phase: 220V , 50/60Hz Range: -15%~+15%						
FG210-2S-0.4GB	0.4	2.3	5	0.08	≥ 150Ω	Inbuilt
FG210-2S-0.75GB	0.75	4.0	8.2	0.08	≥ 150Ω	
FG210-2S-1.5GB	1.5	7.0	14	0.1	≥ 100Ω	
FG210-2S-2.2GB	2.2	9.6	23	0.1	≥ 70Ω	
Three phase: 220V , 50/60Hz Range: -15%~+15%						
FG210-2T-0.4GB	0.4	2.3	4.0	0.08	≥ 150	Inbuilt
FG210-2T-0.75GB	0.75	4.0	4.8	0.08	≥ 150	
FG210-2T-1.5GB	1.5	7.0	8.8	0.1	≥ 100	
FG210-2T-2.2GB	2.2	9.6	12	0.1	≥ 70	
Three phase: 380V , 50/60Hz Range: -15%~+15%						
FG210-4T-0.4GB/0.75PB	0.4/0.75	1.5/2.2	1.9/3.5	0.15	≥ 150	Inbuilt
FG210-4T-0.75GB/1.5PB	0.75/1.5	2.5/3.8	3.5/4.6	0.15	≥ 150	
FG210-4T-1.5GB/2.2PB	1.5/2.2	3.8/5.1	4.6/6.3	0.15	≥ 150	
FG210-4T-2.2GB/3.0PB	2.2/4	5.1/7.1	6.3/8.6	0.3	≥ 100	
FG210-4T-4.0GB/5.5PB	4.0/5.5	9.5/13	12.1/16.8	0.3	≥ 76	
FG210-4T-5.5GB/7.5PB	5.5/7.5	13/17	16.8/22	0.4	≥ 76	
FG210-4T-7.5GB/11PB	7.5/11	17/25	22/32.5	0.5	≥ 76	
FG210-4T-11GB/15PB	11/15	25/32	32.5/41.5	0.8	≥ 40	
FG210-4T-15GB/18.5PB	15/18.5	32/37	41.5/49.6	1.0	≥ 27	
FG210-4T-18.5GB/22PB	18.5/22	37/45	49.6/59	4.0	≥ 27	
FG210-4T-22GB/30PB	22/30	45/60	59/65	4.5	≥ 27	

General
AC drives

Industry-
specific
AC drives

Accessories



FS300 Series Intelligent Pump AC Drive

FS300 series intelligent water pump AC Drive, Adopting an advanced integrated design of permanent magnet synchronous and asynchronous, integration of special PID control algorithms, with constant pressure water supply and frequency modulation dual mode of operation, can be flexibly switched to meet the diverse needs. The product body protection level up to IP54, fearless of complex environments, built-in multiple protection mechanisms, stable and reliable operation, to provide a full .

● Power Range | Single phase 220V: 0.75 kW ~ 2.2 kW / Three phase 380V: 0.75 kW ~ 22 kW

APPLICATIONS

- Neighborhood Water Supply
- Hotel Water Supply
- Construction Site Water Equipment
- Commercial Building
- Villa Water Supply
- Factory Equipment Boosting
- Municipal Water Supply
- Agricultural Irrigation and Drainage



Constant Pressure Water Supply All- Rounder

PRODUCT CHARACTERISTICS

Wide Power Range Adaptability, All-Purpose Drive

- 0.75~22kW wide power range, support permanent magnet synchronous and asynchronous motor control, applicable to different types of water pumps.
- Specialized PID control algorithm to meet the needs of water supply, drainage, HVAC and other fields.

Water Supply Specialized Functions

- Water supply special function multi-pump intelligent joint control, accurate PID adjustment, efficient master-slave synergy, to ensure stable operation of the pump group.
- Flexible injection, anti-freezing protection, fire override, burst pipe detection, pool level monitoring, dormant mechanism and other rich functions to meet the needs of diversified pumping units.

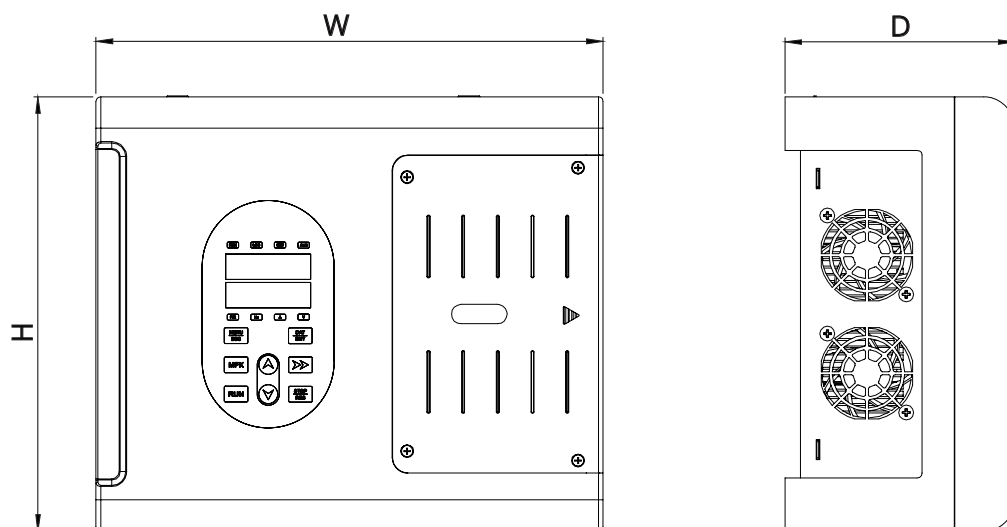
Easy to Use, Intelligent Maintenance

- Backpack fit mounting, small size, light weight, easy to install.
- Support the operation of the upper computer, debugging parameters read with one key, efficient and convenient.
- Equipped with IOT module, it supports remote monitoring and management to enhance the efficiency of operation and maintenance.

Comprehensive Protection, Stable and Carefree

- IP54 high protection level, dustproof and splash-proof, applicable to a variety of harsh working environments.
- Multiple protection functions such as high/low pressure, dry pump, water shortage, water leakage, overload, short circuit, etc. ensure the safe and stable operation of the equipment.

DIMENSIONS & CONFIGURATION PARAMETER



Model	Power rating [kW]	Output current [A]	Input current [A]	External dimension W*H*D [mm]	NW [Kg]
Single phase 220V					
FS300-2S-0.75G	0.75	4.0	8.2	226*189*121	2.0
FS300-2S-1.5G	1.5	7.0	14.0		
FS300-2S-2.2G	2.2	9.6	23		
Three phas380V					
FS300-4T-0.75G	0.75	2.5	3.5	226*189*121	2.0
FS300-4T-1.5G	1.5	3.8	4.6		
FS300-4T-2.2G	2.2	5.1	6.3		
FS300-4T-3.0G	3.0	7.1	9.0		
FS300-4T-4.0G	4.0	9.0	11.5		
FS300-4T-5.5G	5.5	13	16.8	267*212*130	3.3
FS300-4T-7.5G	7.5	17	22		
FS300-4T-11G	11	25	32.5		
FS300-4T-15G	15	32	41.5	322*276*146	5.3
FS300-4T-18.5G	18.5	37	49.6		
FS300-4T-22G	22	45	59		

TECHNICAL SPECIFICATIONS

Power input	Rated input voltage	200V Voltage Class: Single phase 200V ~ 240V 400V Voltage Class: Three-phase 380V ~ 440V
	Frequency	50Hz/60Hz , Tolerance±5%
	Voltage rang	-15% ~ +15% ,Voltage out-of-balance rate<3%
Power output	Output voltage	Three phase: 0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 599.00Hz, (Can be changed by parameter)
	Overload capacity	150% - 60s, 180% - 1s
Control characteristics	Control mode	SVC、V/F control
	Starting torque	0.25Hz/150% (SVC)
Carrier frequency	1.0kHz ~ 16kHz	
Input & Output terminals	Input terminals	3 way DI 2 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable.
	Output terminals	1 way DO 1 way T1 1 way AO, 0-10V voltage or 0/4-20mA are selectable
	Communication terminals	1 way 485 communication terminal 1 way CAN communication terminal
Environment	Place of operation	Water supply systems or automated control systems for residential communities, commercial buildings, agriculture, or factories, installed in factories, basements, or integrated pump houses outdoors.
	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10℃ ~50℃ , The rated output current should be derated 1% for every 1℃ when the ambient is 40℃ ~50℃
	Relative humidity	1% for every 1℃ when the ambient is 40℃ ~50℃
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature temperature	-20℃ ~ +60℃
Others	Installation	Backpack, wall-mounted
	IP grade	IP54

General
AC drives

Industry-
specific
AC drives

Accessories

FS200

Series Intelligent Pump AC Drive

FS200 is an efficient and convenient household intelligent water supply helper. Simple and fashionable appearance, compact and lightweight body, support backpack installation; IP54 protection level, adapt to a variety of environments. Integrated small pump frequency control and accurate constant pressure control function, simple operation, stable and reliable performance.

APPLICATIONS

- Domestic Residential Pressurization
- Water purification equipment pressurization
- Solar water heater pressurization
- Circulating water supply system
- Villa water supply
- Micro Irrigation System

HOME WATER ASSISTAN



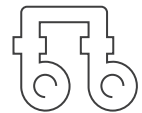
● Power Range | Single phase 220V: 0.75 kW ~ 2.2 kW

Home Water Assistant

PRODUCT CHARACTERISTICS

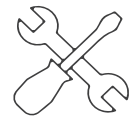
Precision Constant Pressure, Intelligent Pump Linking

- Precise constant pressure control, automatic adjustment of pump speed, to ensure stable water supply pressure, significantly improve the quality of water supply.
- Equipped with RS485 interface, it supports multi-pump linkage and easily realizes intelligent group control management of small pumps.



Compact and Lightweight, Intelligent and Convenient

- Small and compact size, supports backpack mounting to save space.
- One-touch pressure setting, easy to use and convenient to control.
- Self-starting on power-up, no manual intervention, efficient and flexible operation.

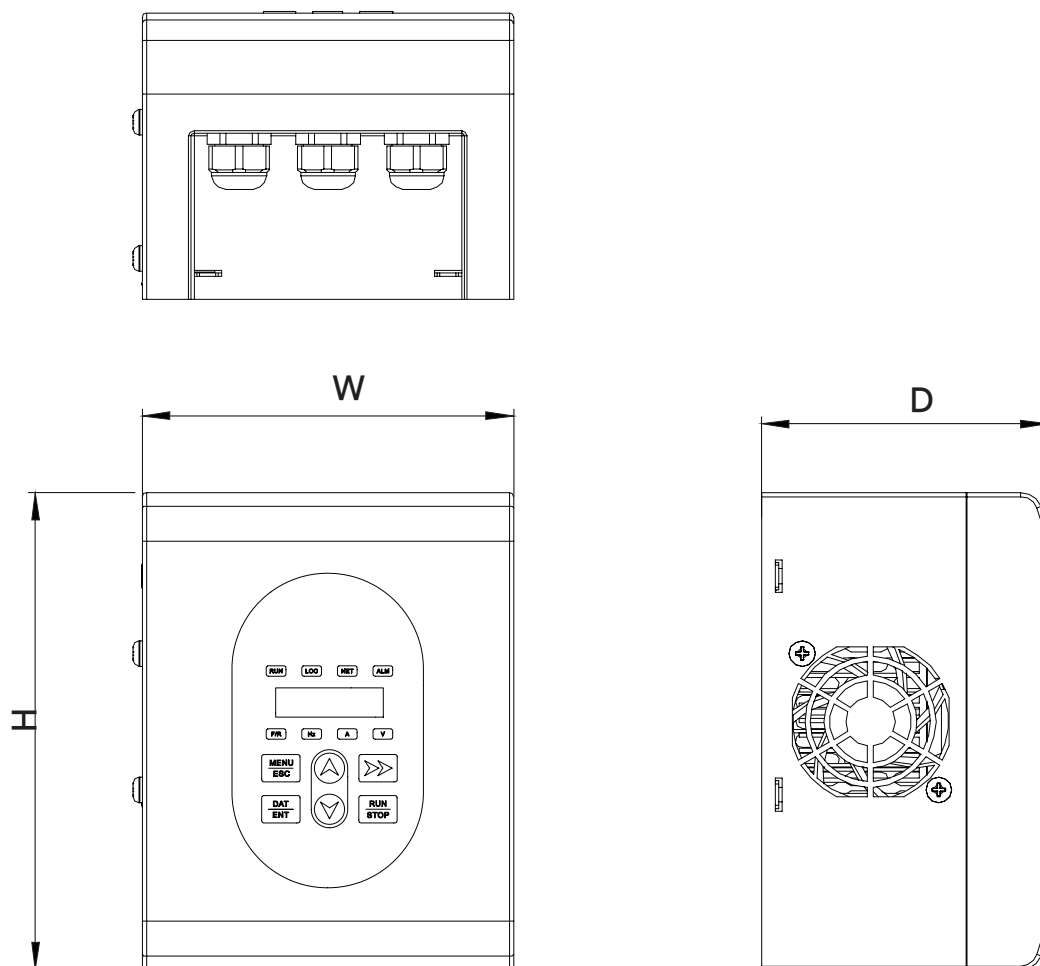


Strong adaptability and comprehensive protection

- Wide voltage range for improved device compatibility for demanding grid environments.
- IP54 protection class, dust and splash-proof, adaptable to a variety of environments.
- Multiple protection functions such as high/low pressure, dry pump, water shortage, water leakage, overload, short circuit, etc. ensure the safe and stable operation of the equipment.



DIMENSIONS & CONFIGURATION PARAMETER



Model	Power rating [kW]	Output current [A]	Input current [A]	External dimension W*H*D [mm]	NW [Kg]
FS200-2S-0.75G	0.75	4.0	8.2	136*175*105	1.5
FS200-2S-1.5G	1.5	7.0	14.0		
FS200-2S-2.2G	2.2	9.6	23.0		

TECHNICAL SPECIFICATIONS

Power input	Rated input voltage	200V Voltage Class: Single phase 200V ~ 240V
	Frequency	50Hz/60Hz
	Voltage rang	-15% ~ +15% ,Voltage out-of-balance rate<3%
Power output	Output voltage	Three phase: 0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 599.00Hz, (Can be changed by parameter)
	Overload capacity	150% - 60s, 180% - 1s
Control characteristics	Control mode	SVC、V/F control
	Starting torque	0.25Hz/150% (SVC)
Carrier frequency	1.0kHz ~ 16kHz	
Input & Output terminals	Input terminals	2 way DI 1 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable.
	Output terminals	1 way AO, 0-10V or 0/4-20mA are selectable.
	Communication terminals	1 way 485 communication terminal
Environment	Place of operation	Water supply systems or automated control systems for residential communities, commercial buildings, agriculture, or factories, installed in factories, basements, or integrated pump houses outdoors.
	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C , The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	1% for every 1°C when the ambient is 40°C ~50°C
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature temperature	-20°C ~ +60°C
Others	Installation	Backpack, wall-mounted
	IP grade	IP54

Universal
AC drives

Industry-
specific
AC drives

Accessories



FH301

Series VFD for Outdoor Pumps

This product is specially developed for outdoor water pump application, adopting energy-saving, high-efficiency motor control and other advanced technologies. The product adopts high temperature resistant, UV and oxidation resistant plastic casing materials with IP54 protection level for the harsh environment of high temperature, high humidity, high salt and sunshine under long time operation of industrial equipment, and it is equipped with high performance vector control algorithms for permanent magnet synchronous motors and industry-specific logic functions to ensure long term stable operation in outdoor areas.



Power range

3.0kW~7.5kW

Product Characteristics

01

Precise control

Algorithm enhancement for precise control of flow and head.

02

Enhanced lightning protection design

Special enhanced lightning protection circuit, safety is consolidated again.

03

Rich energy-saving function

Adopting energy-saving control technology to ensure efficient and energy-saving operation of the motor.

04

Safety & High Reliability

Safe to use even in harsh environments by adopting long-life design, instantaneous blackout countermeasures, and humidity- and dust-resistant treatments.

05

Convenient to install and carry

THE lower end in and out of the line design, installation is hassle-free; intimate carrying handle design, more convenient to carry.

06

Remote monitoring

Can be accessed from a remote location via a smartphone and is able to automatically adjust the operating status based on real-time data.

Product Selection List

Model	Output current [A]	Input current [A]	External dimensions W*H*D [mm]
FH301-4T-3.0G	7.1	8.6	130*270*151
FH301-4T-4.0G	9.0	10.5	
FH301-4T-5.5G	13.6	17.5	
FH301-4T-7.5G	17	22	

Universal
AC drives

Industry-
specific
AC drives

Accessories



PUMP 'S INVISIBLE GUARDIAN

FH200

Series Embedded Drive Control Module

The next-generation embedded drive control module, with its ultra-wide voltage self-adaptation technology, effortlessly handles grid fluctuations to guarantee stable equipment operation. Its built-in high-efficiency variable-frequency speed-regulation system delivers energy savings of over 30%. The module also features an intelligent multi-speed control algorithm, and an optional 4G module enables easy remote monitoring under complex field conditions. In addition, a potting compound process ensures reliable performance even in harsh environments.



● Power Range | Three phase 380V: 1.5 kW ~ 3.0 kW

Accessories

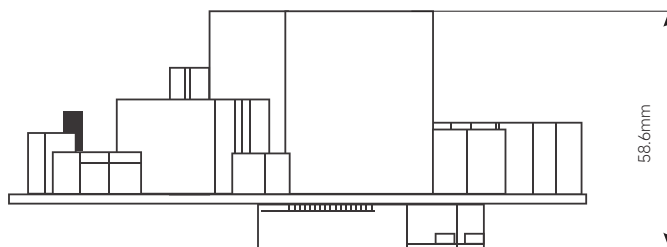
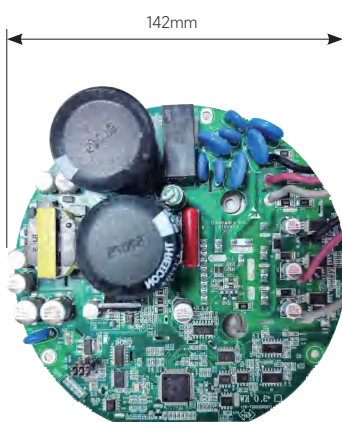
Industry-
specific
AC drivesUniversal
AC drives

FUGONG

Pump's Invisible Guardian

Product Specifications & Dimensions

For any other power customization needs, please contact us !



Model	Power rating [kW]	Output current [A]	Input current [A]	Motor Power [kW]	External dimension W*H*D [mm]
FH200-4T-1.5G	1.5	3.8	4.6	1.5	142*58.6
FH200-4T-2.2G	2.2	5.1	6.3	2.2	
FH200-4T-3.0G	3.0	7.1	8.6	3.0	

Universal
AC drives

Industry-
specific
AC drives

Accessories



FG270

Series Light-Load Fan & Pump Dedicated VFD

This product is a dedicated VFD engineered for light-load fan and pump applications. The entire series features a slim, book-style design that delivers compact dimensions, powerful functionality, and reliable performance. It is ideal for driving light-load fans and pumps in HVAC systems, municipal water supply, agricultural irrigation, logistics and warehousing, and other urban infrastructure sectors.

Power Range

1.5kW~400kW

Product Characteristics



Compact design

Book-style design for easy installation and a more compact product structure.



Energy efficient

Integrated with a brand-new ECO energy-saving algorithm to reduce operational costs.



Flexible Configuration

Options for built-in DC reactors and output reactors.



Easy Debugging

Supports upper computer software for simple and Debugging commissioning.

Technical Specifications

Power input	Rated input voltage	400V Voltage Class: Three-phase 380V~440V
	Frequency	50Hz/60Hz, $\pm 5\%$
	Voltage range	-15% ~ +15%, Voltage out-of-balance rate<3%
Power output	Output voltage	Three-phase: 0%~rated input voltage, error < $\pm 3\%$
	Output frequency	0 ~ 600.00Hz (Can be changed by parameter)
	Overload capacity	120% - 60s
Control characteristics	Control mode	SVC、FVC、V/F control
	Starting torque	0.25Hz/150% (SVC) , 0Hz/200% (FVC)
Carrier frequency	0.5kHz ~ 16kHz	
Input & Output terminals	Analog input	2 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	5 way DI, DI5 can be equipped with high-speed pulse input as an option., 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable.
	Digital output	1 way DO, Optional high speed pulse output, 0~100kHz
	Relay output	1 relay output: T1 (normally open and normally closed), Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C , The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	5~95%, no condensation
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-20°C ~ +60°C

Configuration parameters

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit
FG270-4T-1.5KB	1.5	3.8	4.6	0.15	≥ 150	Inbuilt
FG270-4T-2.2KB	2.2	5.1	6.3	0.15	≥ 150	
FG270-4T-3.7KB	3.7	9.0	11.5	0.3	≥ 100	
FG270-4T-5.5KB	5.5	13	16.8	0.3	≥ 76	
FG270-4T-7.5KB	7.5	17	22	0.4	≥ 76	
FG270-4T-11KB	11	25	32.5	0.5	≥ 76	
FG270-4T-15KB	15	32	41.5	0.8	≥ 40	
FG270-4T-18.5KB	18.5	37	49.6	1.0	≥ 27	
FG270-4T-22KB	22	45	59	4.0	≥ 27	
FG270-4T-30KB	30	60	65	4.5	≥ 27	
FG270-4T-37K	37	75	80	6.0	≥ 16	Inbuilt optiona
FG270-4T-45K	45	91	95	7.4	≥ 16	
FG270-4T-55K	55	112	118	9.0	≥ 14	
FG270-4T-75K	75	150	157	11	≥ 10	
FG270-4T-90K	90	176	180	15	≥ 8.0	
FG270-4T-110K	110	210	214	18	≥ 6.8	
FG270-4T-132K	132	253	256	22	≥ 6.8	Externally mounted when needed
FG270-4T-160K	160	304	287	27	≥ 4.5	
FG270-4T-185K	185	326	306	32	≥ 3.6	
FG270-4T-200K	200	377	365	37	≥ 3.3	
FG270-4T-220K	220	426	410	40	≥ 3.3	
FG270-4T-250K	250	465	441	44	≥ 2.7	
FG270-4T-280K	280	520	495	50	≥ 2.7	
FG270-4T-315K	315	585	565	56	≥ 2.2	
FG270-4T-355K	355	650	617	63	≥ 1.9	
FG270-4T-400K	400	725	687	70	≥ 1.7	

Accessories

Industry-specific
AC drives

Universal
AC drives

FUGONG



FG280

Series Heavy-Duty Fan & Pump Dedicated VFD

This product is a dedicated VFD designed specifically for heavy-duty fan and pump applications. The entire series adopts a book-style design, offering a compact structure, powerful functionality, and stable performance. It is suitable for driving heavy-duty fan and pump loads in industries such as wastewater treatment, chemical engineering, metallurgy, electric power, and building materials.

Power Range

0.75kW~560kW

Configuration parameters

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit	DC Reactor
FG280-4T-0.75GB/1.5PB	0.75	2.5/3.8	3.5/4.6	0.15	≥ 150	Inbuilt	NO
FG280-4T-1.5GB/2.2PB	1.5	3.8/5.1	4.6/6.3	0.15	≥ 150		
FG280-4T-2.2GB/4.0PB	2.2	5.1/9.0	6.3/11.5	0.3	≥ 100		
FG280-4T-4.0GB/5.5PB	9.7	9.0/13	11.5/16.8	0.3	≥ 76		
FG280-4T-5.5GB/7.5PB	5.5	13/17	16.8/22	0.4	≥ 76		
FG280-4T-7.5GB/11PB	7.5	17/25	22/32.5	0.5	≥ 76		
FG280-4T-11GB/15PB	11	25/32	32.5/41.5	0.8	≥ 40		
FG280-4T-15GB/18.5PB	15/18.5	32/37	41.5/49.6	1.0	≥ 27		
FG280-4T-18.5GB/22PB	18.5/22	37/45	49.6/59	4.0	≥ 27		
FG280-4T-22GB/30PB	22/30	45/60	59/65	4.5	≥ 27		
FG280-4T-30G/37P	30/37	60/75	65/80	6.0	≥ 16	Inbuilt optional	Inbuilt optional
FG280-4T-37G/45P	37/45	75/91	80/95	7.4	≥ 16		
FG280-4T-45G/55P	45/55	91/112	95/118	9.0	≥ 14		
FG280-4T-55G/75P	55/75	112/150	118/157	11	≥ 10		
FG280-4T-75G/90P	75/90	150/176	157/180	15	≥ 8.0		
FG280-4T-90G/110P	90/110	176/210	180/214	18	≥ 6.8		
FG280-4T-110G/132P	110/132	210/253	214/256	22	≥ 6.8		
FG280-4T-132G/160P	132/160	253/304	240/287	27	≥ 4.5	Optional external	Inbuilt
FG280-4T-160G/185P	160/185	304/326	287/306	32	≥ 3.6		
FG280-4T-185G/200P	185/200	326/377	306/365	37	≥ 3.3		
FG280-4T-200G/220P	200/220	377/426	365/410	40	≥ 3.3		
FG280-4T-220G/250P	220/250	426/465	410/441	44	≥ 2.7		
FG280-4T-250G/280P	250/280	465/520	441/495	50	≥ 2.7		
FG280-4T-280G/315P	280/315	520/585	495/565	56	≥ 2.2		
FG280-4T-315G/355P	315/355	585/650	565/617	63	≥ 1.9		
FG280-4T-355G/400P	355/400	650/725	617/687	70	≥ 1.7		
FG280-4T-400G/450P	400/450	725/820	687/782	80	≥ 1.6		
FG280-4T-450G/500P	450/500	820/860	790/835	90	≥ 1.3		
FG280-4T-500G/560P	500/560	860/950	835/920	100	≥ 1.2		
FG280-4T-560G/630P	560/630	950/1100	920/1050	120	≥ 1.2		



FG300-IP54

High-ingress Protection VFD

This product developed for harsh environments such as high humidity, high dust, high oil pollution, etc. With IP54 protection level, the product supports asynchronous motors and permanent magnet motors. At the same time, it strengthens the reliability and environmental adaptability of the product, as well as the customized and industrialized design, which makes the function more optimized and the application more flexible.

Power Range

0.75kW~22kW

Product Characteristics



Advanced Protection

The entire machine has an IP54 protection rating, specifically targeted at applications with high performance and functionality requirements, and high pollution levels.



Excellent Performance

Equipped with vector control technology, it achieves precise speed control and high torque output, especially excelling during low-speed operation.



Safe and Reliable

The independent air duct design effectively enhances the protection of the frequency converter, adapting to various complex and harsh on-site environments, and improving product reliability.



Versatile and Easy to Use

Rich in expansion capabilities, it supports monitoring and commissioning through an upper computer.

Configuration parameters

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit
FG300-4T-0.75GB-IP54	0.75	2.5	3.5	0.15	≥ 150	Inbuilt
FG300-4T-1.5GB-IP54	1.5	3.8	4.6	0.15	≥ 150	
FG300-4T-2.2GB-IP54	2.2	5.1	6.3	0.3	≥ 100	
FG300-4T-3.7GB-IP54	3.7	9.0	11.5	0.3	≥ 76	
FG300-4T-5.5GB-IP54	5.5	13	16.8	0.4	≥ 76	
FG300-4T-7.5GB-IP54	7.5	17	22	0.5	≥ 76	
FG300-4T-11GB-IP54	11	25	32.5	0.8	≥ 40	
FG300-4T-15GB-IP54	15	32	41.5	1.0	≥ 27	
FG300-4T-18.5GB-IP54	18.5	37	49.6	4.0	≥ 27	
FG300-4T-22GB-IP54	22	45	59	4.5	≥ 27	

Technical Specifications

Power input	Rated input voltage	400V Voltage Class: Three-phase 380V~440V
	Frequency	50Hz/60Hz±5%
	Voltage range	-15% ~ +15%, Voltage out-of-balance rate<3%
Power output	Output voltage	Three phase:0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 600.00Hz (changeable by parameter)
	Overload capacity	150% - 60 s
Control characteristics	Control mode	SVC、FVC、V/F control
	Starting torque	0.25Hz/150% (SVC) , 0Hz/200% (FVC)
Carrier frequency	0.5kHz ~ 16kHz	
Input & Output terminals	Analog input	2 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	5 way DI, DI5 can be equipped with high-speed pulse input as an option., 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital output	1 way DO, Optional high speed pulse output, 0~100kHz
	Relay output	1 relay output: T1 (normally open and normally closed), Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C , The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	1% for every 1°C when the ambient is 40°C ~50°C
	Vibration	Less than 5.9 m/s ² (0.6g)
	Storage temperature	-20°C ~ +60°C

Universal
AC drives

Industry-
specific
AC drives

Accessories



FD200

Series VFD for Engraving Machines

The AC drive for engraving machine is a high-performance drive device designed for the spindle system of CNC engraving machine, featuring compact size, high power density, simple operation, stable and reliable operation, and complete protection functions.



Power Range

0.75kW~15kW

Product Characteristics

01**High frequency accuracy**

High frequency up to 1000Hz, frequency control accuracy control within 0.5%, support engraving machine in high-speed state to accurately complete complex processing tasks.

02**Multi-speed operation support**

Programmable 16-segment speed operation, each segment of the running time, acceleration and deceleration time, running direction are independently adjustable, according to different processing needs to flexibly adjust the speed, improve production efficiency and processing quality.

03**Complete protection**

Built-in a variety of protection functions to ensure long-term reliable operation of the AC drive; with a fault recording mechanism, easy to maintain later.

04**Highly Reliable**

The products are based on a new hardware platform and have passed stringent testing standards for higher reliability.

05**Communications protocol**

Standard RS485 communication interface, with good anti-interference ability, MODBUS RTU protocol, easy to achieve the interconnection of inverter and PLC, industrial control machine and other industrial control equipment.

06**Optimised current limiting and frequency reduction processing**

In case of high load or overload, the AC drive will automatically perform current limiting and frequency reduction to keep the equipment running stably.

07**Adaptive control technology**

With unique adaptive control technology, automatic current limiting and voltage limiting and under-voltage suppression during operation, ensuring the stability and safety of the engraving machine in different working conditions.



Configuration Parameters

Model	Power rating [kW]	Output current [A]	Input current [A]	Recommended power for brake resistance [kW]	Recommended brake resistance [Ω]	Brake unit
Single phase 220V						
FD200-2S-0.75GB	0.75	4.0	8.2	0.08	≥ 150	Inbuilt
FD200-2S-1.5GB	1.5	7.0	14	0.1	≥ 100	
FD200-2S-2.2GB	2.2	9.6	23	0.1	≥ 70	
FD200-2S-3.0GB	3.0	13	27	0.15	≥ 50	
FD200-2S-4.0GB	4.0	16	33	0.2	≥ 40	
FD200-2S-5.5GB	5.5	20	40	0.3	≥ 26	
FD200-2S-7.5GB	7.5	30	58	0.5	≥ 16	
FD200-2S-9.0GB	9.0	36	72	0.6	≥ 13	
FD200-2S-11GB	11	42	84	0.8	≥ 11	
Three phase 380V						
FD200-4T-0.75GB	0.75	2.5	3.5	0.15	≥ 150	Inbuilt
FD200-4T-1.5GB	1.5	3.8	4.6	0.15	≥ 150	
FD200-4T-2.2GB	2.2	5.1	6.3	0.3	≥ 100	
FD200-4T-3.0GB	3.0	7.1	8.6	0.3	≥ 100	
FD200-4T-4.0GB	4.0	9.5	12.1	0.3	≥ 76	
FD200-4T-5.5GB	5.5	13	16.8	0.4	≥ 76	
FD200-4T-7.5GB	7.5	17	22	0.5	≥ 76	
FD200-4T-9.0GB	9.0	20	26	0.6	≥ 60	
FD200-4T-11GB	11	25	32.5	0.8	≥ 40	
FD200-4T-15GB	15	32	41.5	1	≥ 27	

Technical Specifications

Power input	Rated input voltage	200V Voltage Class: Single phase 200V ~ 240V; 400V Voltage Class: Three-phase 380V~440V
	Frequency	50Hz/60Hz±5%
	Voltage range	-15% ~ +15%, Voltage out-of-balance rate<3%
Power output	Output voltage	Three-phase : 0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 1000Hz (Can be changed by parameter)
	Overload capacity	150% - 60 s
Control characteristics	Control mode	SVC、V/F control
	Starting torque	0.25Hz/150% (SVC)
Carrier frequency	1.0kHz ~ 16kHz	
Input & Output terminals	Analog input	1 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	4 way DI, DI4 can be equipped with high-speed pulse input as an option., 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable.
	Digital output	1 way DO, Pull-up voltage range: 5V~24V, Contact drive capability: 0~20mA
	Relay output	2 relay output: T1(normally open and normally closed)、T2 (normally open) , Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10℃ ~50℃ , The rated output current should be derated 1% for every 1℃ when the ambient is 40℃ ~50℃
	Relative humidity	5~95%, no condensation
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-20℃ ~ +60℃

Universal
AC drives

Industry-
specific
AC drives

Accessories



FG300K

Series All-in-One VFD for Engraving Machines

This product is an all-in-one AC drive specially developed for multi-process CNC openers on the basis of FG300. It adopts high performance spindle motor algorithm and built-in independent motor drive unit.



Power Class

7.5kW

Product Characteristics

01**Intelligent drive**

All-in-one intelligent drive for the spindle of the opener.

02**Smooth switching**

0 seconds of smooth spindle switching.

03**Optimised design**

Independent air ducts for dusty applications.

04**Open interfaces**

Functions and interfaces are fully open, specially made for the opening machine process.

05**Flexible**

Output frequency range can be selected from 0~600Hz or 0~1200Hz.

06**Simple and easy to use**

4 power cables + 16 motor cables + Upper computer control cable.

Specification

Project name	FG300K Series
Product Dimension	387mm*184mm*224mm
Input Voltage	Three phase 380V
Control method	V/F Control
Overload capacity	150% Rated current 60s
Protection class	IP20
HMI	Multi-parameter display with two-line LED
Main terminals	1 input terminal (R, S, T), 4 (or 5) output terminals (U, V, W)
Control line terminal	4 (or 5) DI control signals, 4 relay signals
Motor Parameter Recognition	Includes static and dynamic identification

Universal
AC drives

Industry-
specific
AC drives

Accessories



PV300

Solar Pump Inverter



The PV300 product is specially designed for photovoltaic water pump systems, featuring excellent MPPT technology and a compact, stable structure. It is suitable for a variety of water conservancy applications, providing a green and efficient energy solution.

Power Range

0.75kW~710kW

Product Characteristics

01

MPPT technology

Utilizing advanced MPPT technology, it achieves high-efficiency photovoltaic power tracking of 99.9%.

MPPT

02

RMON

Supports remote control, enabling remote monitoring functions via computer web pages and mobile APP.



03

self-adjusting feature

Equipped with a water level detection function for automatic regulation of the water pump.



04

Dual power supply drive, energy saving & high efficiency

Automatic switching between PV DC and grid AC inputs reduces power costs and ensures continuous and stable pump operation.



05

One-touch read function

Professional upper computer software, debugging parameters read by one key.



06

Dry run detection function

automatically protects the water pump to prevent motor burnout during operation without water.



Technical specifications

Power input	Voltage	1T: 90 ~ 400VDC, 1PH/3PH 110VAC 2S/2T: 150~ 450VDC, 1PH/3PH 220~240VAC 4T: 250 ~ 900VDC/350~900VDC, 3PH 380~480VAC
	Frequency	50Hz/60Hz±5%
	Voltage range	Voltage out-of-balance rate<3%
	Total Voc range (V) of recommended panels	1T Type: 175~380VDC 2T Type: 360~430VDC 4T Type: 620~750VDC
Power output	Output voltage	Three-phase: 0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 599.00Hz (Can be changed by parameter)
	Overload capacity	150% rated current/60s, 180% rated current/10s, 200% rated current/0.5s
Carrier frequency	1.0kHz ~ 16kHz	
Input & Output terminals	Analog input	2 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	5 way DI, DI5 can be equipped with high-speed pulse input as an option., 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable.
	Digital output	1 way DO, Optional high speed pulse output, 0~100kHz
	Relay output	1 relay output: T1 (normally open and normally closed), Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C, The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	5~95%, no condensation
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-20°C ~ +60°C

Configuration Parameters

PV300-1T Series: Input 90-400VDC, 3 Phase 110-230VAC Output, Suitable for AC110V Pumps

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
0.75	0.75	110	1.0	400	175-380	7	0-599.00
1.5	1.5	110	1.95	400	175-380	10.6	0-599.00

PV300-2T Series: Input 150-450VDC, 3 Phase 150-230VAC Output, Suitable for AC220V Pumps

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
0.75	0.75	220	1.0	450	360-430	4	0-599.00
1.5	1.5	220	1.95	450	360-430	7	0-599.00
2.2	2.2	220	2.86	450	360-430	10.6	0-599.00
4.0	4.0	220	4.81	450	360-430	17	0-599.00

PV300-4T Series: Input 250-900VDC, 3 Phase 230-460VAC Output, Suitable for AC380V Pumps

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
0.75	0.75	380	1.0	900	620-750	2.5	0-599.00
1.5	1.5	380	2.2	900	620-750	3.8	0-599.00
2.2	2.2	380	3.3	900	620-750	5.1	0-599.00
4.0	4.0	380	5.0	900	620-750	10	0-599.00
5.5	5.5	380	8.0	900	620-750	14	0-599.00
7.5	7.5	380	10.0	900	620-750	18	0-599.00
11	11	380	14.3	900	620-750	26	0-599.00

Universal
AC drives

Industry-
specific
AC drives

Accessories

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
15	15	380	19.5	900	620-750	33	0-599.00
18.5	18.5	380	23.4	900	620-750	38	0-599.00
22	22	380	28.6	900	620-750	46	0-599.00
30	30	380	39	900	620-750	61	0-599.00
37	37	380	48.1	900	620-750	76	0-599.00

PV300-4T Series: Input 350-900VDC, 3 Phase 230-460VAC Output, Suitable for AC 380V Pumps

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
45	45	380	58.5	900	620-750	92	0-599.00
55	55	380	71.5	900	620-750	113	0-599.00
75	75	380	97.5	900	620-750	151	0-599.00
90	90	380	120	900	620-750	177	0-599.00
110	110	380	143	900	620-750	211	0-599.00
132	132	380	171.6	900	620-750	254	0-599.00
160	160	380	208	900	620-750	305	0-599.00
185	185	380	240.5	900	620-750	327	0-599.00
200	200	380	260	900	620-750	378	0-599.00
220	220	380	305	900	620-750	427	0-599.00
250	250	380	335	900	620-750	466	0-599.00
280	280	380	386	900	620-750	521	0-599.00
315	315	380	415	900	620-750	586	0-599.00
355	355	380	466	900	620-750	651	0-599.00
400	400	380	522.5	900	620-750	726	0-599.00
450	450	380	616	900	620-750	821	0-599.00
500	500	380	676	900	620-750	861	0-599.00
560	560	380	726	900	620-750	951	0-599.00
630	630	380	851	900	620-750	1101	0-599.00
710	710	380	959	900	620-750	1261	0-599.00



PV200

Solar Pump Inverter

This product is a mini inverter based on the market demand for small power, small size and easy speed regulation. As a compact inverter product with small volume and large capacity, it has significant advantages such as high power density, high EMC specification design and high reliability.

Power Range

0.4kW~22kW

Product Characteristics

01

Customised PQ curves

Based on the curves, it automatically calculates the parameters of most interest to the user, such as flow rate, daily flow rate, cumulative flow rate, daily power generation and cumulative power generation.

**02**

Intelligent IOT System

IoT data platform, wireless transmission technology (GPRS, Bluetooth or WIFI), intelligent judgement of water and fertiliser demand to achieve smart irrigation.



Technical Specifications

Power input	Rated input voltage	1T: 9~ 400VDC, 1PH/3PH 110VAC 2T: 150 ~ 450VDC, 1PH/3PH 220-240VAC 4T: 250 ~800VDC, 3PH 380-480VAC
	Frequency	50Hz/60Hz,±5%
	Voltage range	Voltage out-of-balance rate<3%
	Total Voc range (V) of recommended panels	1T Type: 175-380VDC 2T Type: 360-430VDC 4T Type: 620-750VDC
Power output	Output voltage	3-phase: 0%~rated input voltage, error < ±3%
	Output frequency	0 ~ 599.00Hz (Can be changed by parameter)
	Overload capacity	150% rated current/60s, 180% rated current/10s, 200% rated current/0.5s
Carrier frequency	1.0kHz ~ 16kHz	
Input & Output terminals	Analog input	1 way AI, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital input	4 way DI, DI4 can be equipped with high-speed pulse input as an option, 0~50kHz
	Analog output	1 way AO, 0 ~ 10V or 0/4 ~ 20mA are selectable
	Digital output	1 way DO, Pull-up voltage range: 5V~24V, Output Current Range: 0~20mA
	Relay output	2 relay output: T1(normally open and normally closed)、T2 (normally open) , Contact drive capability: AC250V, 3A; DC30V, 5A
Environment	Altitude	0~2000m. De-rate 1% for every 100m when the altitude is above 1000 meters
	Ambient temperature	-10°C ~50°C , The rated output current should be derated 1% for every 1°C when the ambient is 40°C ~50°C
	Relative humidity	5~95%, no condensation
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-20°C ~ +60°C

Configuration Parameters

PV200-1T Series: Input 90-400VDC, 3 Phase 110-230VAC Output, Suitable for AC110V Pumps

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
0.75	0.75	110	1.0	400	175-380	7.0	0-599.00
1.5	1.5	110	1.95	400	175-380	9.6	0-599.00

PV200-2T Series: Input 150-450VDC, 3 Phase 150-230VAC Output, Suitable for AC220V Pumps

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
0.4	0.4	220	0.55	450	360-430	2.3	0-599.00
0.75	0.75	220	1.0	450	360-430	4.0	0-599.00
1.5	1.5	220	1.95	450	360-430	7.0	0-599.00
2.2	2.2	220	2.86	450	360-430	9.6	0-599.00

PV200-4T Series: Input 250-800VDC, 3 Phase 230-460VAC Output, Suitable for AC380V Pumps

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
0.4	0.4	380	0.6	800	620-750	1.5	0-599.00
0.75	0.75	380	1.0	800	620-750	2.5	0-599.00
1.5	1.5	380	2.2	800	620-750	3.8	0-599.00

Universal
Inverter

Sector-
specific
inverter

Optional
Accessories

Solar Pump Inverter Power [kW]	Pump		Max solar power input [kW]	Max DC Input Voltage [V]	Recommended Voc voltage [V]	Rated Output Current [A]	Output frequency [Hz]
	Rated Power [kW]	Rated Voltage [V]					
2.2	2.2	380	3.3	800	620-750	5.1	0-599.00
4.0	4.0	380	5.0	800	620-750	9.5	0-599.00
5.5	5.5	380	8.0	800	620-750	13	0-599.00
7.5	7.5	380	10.0	800	620-750	17	0-599.00
11	11	380	14.3	800	620-750	25	0-599.00
15	15	380	19.5	800	620-750	32	0-599.00
18.5	18.5	380	23.4	800	620-750	37	0-599.00
22	22	380	28.6	800	620-750	45	0-599.00





PV210

Series Solar Pump Inverter



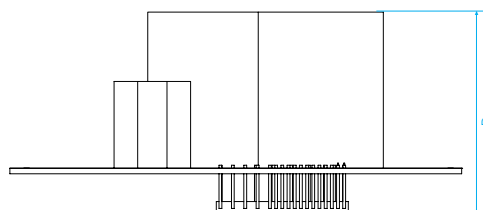
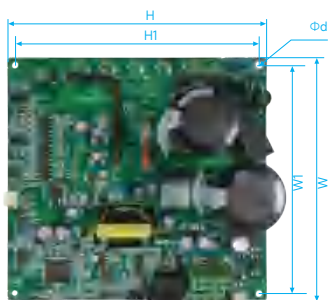
The PV210 series solar pump inverter is a compact and highly integrated professional inverter. It adopts highperformance vect or control technology and is specifically optimized for solar pumping systems. The device integrates precise PID control, high-efficiency MPPT (Maximum Power Point Tracking).

Power Range

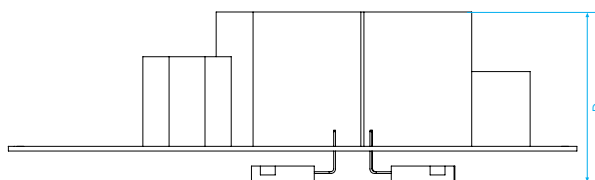
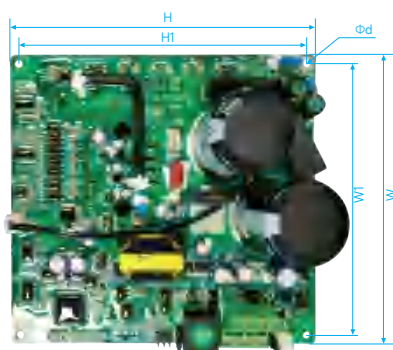
0.75kW~7.5kW

INSTALLATION DIMENSION DRAWING

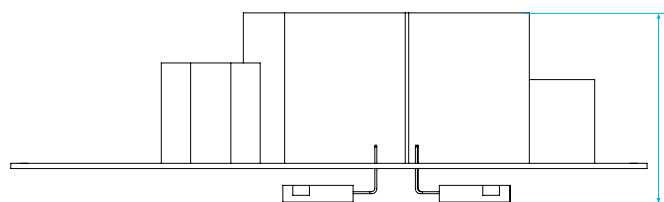
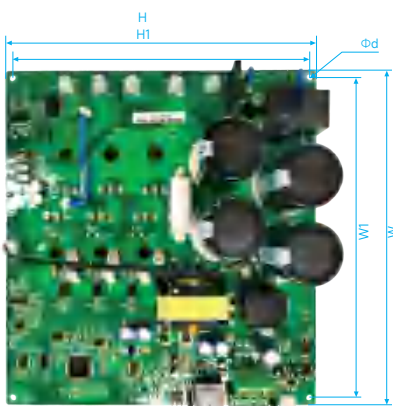
Schematic diagram of P1



Schematic diagram of P2



Schematic diagram of P3



DIMENSIONS

1T

60V DC to 400V DC input, Output:3-phase 110 ~ 230VAC, suitable for ac110 pump.

Model	Output current [A]	Output frequency range [Hz]	Applicable for pumps [kW]	External and installation dimensions[mm]						Outline Specification DiaGram
				W	D	H	W1	H1	d	
PV210-1T-0.75G	7.0	0-600	0.75	140	70	130	132	122	4-Φ3.5	P1
PV210-1T-1.5G	10	0-600	1.5							
PV210-1T-2.2G	16	0-600	2.2	175	70	190	167	182	4-Φ3.5	P3

2T

60V DC to 450V DC input, output:3-phase 220 ~ 240VAC, suitable for ac220 pump.

Model	Output current [A]	Output frequency range [Hz]	Applicable for pumps [kW]	External and installation dimensions[mm]						Outline Specification DiaGram
				W	D	H	W1	H1	d	
PV210-2T-0.75G	4.0	0-600	0.75	140	70	130	132	122	4-Φ3.5	P1
PV210-2T-1.5G	7.0	0-600	1.5							
PV210-2T-2.2G	10	0-600	2.2							
PV210-2T-3.7G	16	0-600	3.7	175	70	190	167	182	4-Φ3.5	P3

4T

200V DC to 800V DC input , output:3-phase 230 ~ 460VAC,suitable for ac380 pump.

Model	Output current [A]	Output frequency range [Hz]	Applicable for pumps [kW]	External and installation dimensions[mm]						Outline Specification DiaGram
				W	D	H	W1	H1	d	
PV210-4T-3.7G	10	0-600	3.7	145	70	148	137	140	4-Φ3.5	P2
PV210-4T-5.5G	14	0-600	5.5	175	70	190	167	182	4-Φ3.5	P3
PV210-4T-7.5G	18	0-600	7.5							

Universal
AC drives

Industry-
specific
AC drives

Accessories



FG300B

Series Constant Pressure Water Supply Dedicated VFD

The FG300B series constant pressure water supply dedicated VFD employs advanced algorithms to ensure stable water pressure without fluctuations. It features multi-pump control that automatically adjusts according to water demand, resulting in significant energy savings. The comprehensive protection functions prevent pump overload and overpressure. The simple and intuitive operation interface facilitates easy debugging and monitoring. It is widely used in residential communities, hotels, and other similar venues.



Power Range

45kW~75kW

PRODUCT CHARACTERISTICS

Precision Constant Pressure Control

Utilizing vector control technology to precisely regulate pressure, stable constant pressure output is achieved in various scenarios such as water supply and gas supply, ensuring the stable operation of equipment.

Stable and reliable operation

It has the overload capacity of 150% of the rated current for 60 seconds, effectively resisting the overload risks under complex working conditions, reducing equipment downtime due to faults, and ensuring the continuous and stable operation of the system.







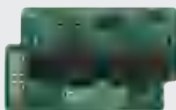
Easy to operate and maintain

The human-machine interface can display water pressure in real time, facilitating monitoring of equipment status by operators. It supports motor parameter identification, making debugging and maintenance easier and reducing the cost of use.

CONFIGURATION PARAMETERS

DIMENSIONS : 411*562*271mm

Input Voltage	Three phase 380V	Control method	Vector Control
Overload capability	150% of rated current 60 s	Protection level	IP20
Human-computer interface (HMI)	Water pressure real-time display	Main terminal	1 input terminal (R, S, T), 1 output terminal (U, V, W)
Control wire terminal	4 (or 5) DI control signals, 1 relay signal	Motor Parameter Recognition	Includes static and dynamic identification


Model	Appearances	Instructions	Applicable Models			
			FG300	FG310	FG270 &FG280	FG300 IP54
IO Expansion Card						
PD310IO1		1 analog input (AI3) PT100/PT1000/KTY84 temperature detection 1 analog output (AO2) 4 digital inputs (DI6-DI9) 1 digital output (DO2) 2 relay outputs (T2, T3) Note: Cannot be used at the same time as the communication card		<div></div>	<div></div>	
PD310IO2		1 analog input (AI3) PT100/PT1000/KTY84 temperature detection 1 analog output (AO2) 4 digital inputs (DI6-DI9) 1 digital output (DO2) 2 relay outputs (T2, T3) Note: Cannot be used at the same time as PG card		<div></div>	<div></div>	
FG300IO1		CANopen communication PT100 temperature detection 4 digital input (DI6-DI9) 1 digital output (DO2) 1 normally open relay output (T2)	<div></div>			<div></div>
FG300IO2		CANopen communication 1 digital output (DO2) 1 normally open relay output (T2)	<div></div>			<div></div>
FG300IO3		CANopen communication 1 analog output (AO2) 4 digital inputs (DI6-DI9) 1 digital output (DO2) 1 normally open relay output (T2)	<div></div>			<div></div>
FG300IO4		1 normally open relay output (T2)	<div></div>			<div></div>
FG300IO5		2 normally open relay outputs (T2、T3)	<div></div>			<div></div>

Model	Appearances	Instructions	Applicable Models			
			FG300	FG310	FG270 &FG280	FG300 IP54
PG Expansion Card						
PD310PG1-TTL		1:1 split frequency output (open collector)		<div></div>	<div></div>	
PD310PG1-HTL		Incremental Encoder (24V) 1:1 split frequency output (open collector)		<div></div>	<div></div>	
PD310PG2		Encoder power supply 5V or 8V Sine Cosine Encoder Sine-cosine with absolute encoder		<div></div>	<div></div>	
PD310PG3		Rotary transformer (ratio 0.5)		<div></div>	<div></div>	
FG300PG1		Incremental Encoders (5V/12V)	<div></div>			<div></div>
FG300PG2		CANopen communication Incremental encode (5V/12V) 1 analog output (AO2) 1 digital input (DI6) 1 normally open relay output (T2)	<div></div>			<div></div>
FG300PG3		CANopen communication Incremental encoder (5V) Crossover outputs (differential, push-pull, open collector outputs supported)	<div></div>			<div></div>

General
AC drives



Industry-
specific
AC drives






Accessories

Model	Appearances	Instructions	Applicable Models			
			FG300	FG310	FG270 &FG280	FG300 IP54
FG300PG4		CANopen communication Rotary Transformer PT100/PT1000 temperature detection 1 digital input (DI6) 1 analog output (AO2) 1 normally open relay output (T2)	●			●

Communication Expansion Card

PD310PN1		Profinet communication		●	●	
PD310DP1		Profibus-DP communication		●	●	
PD310EN1		MODBUS TCP communication		●	●	
PD350EC1		EtherCAT communication		●	●	
PD350CAN1		CANopen communication		●	●	

Model	Appearances	Instructions	Applicable Models				
			FG270	FG280	FH301	FS210	FS300
FG270GPRS1		GPRS Communication Expansion Card	●	●			
FS300GPRS1		GPRS Communication Expansion Card			●	●	●

Model	Appearances	Instructions	Applicable Models			
			FG300	FG310	FG270 &FG280	FG300 IP54
Keyboard Accessories						
PD210KEY2		Single display Keyboard		<div></div>	<div></div>	
FG300KEY5		LCD Keyboard		<div></div>	<div></div>	
FG300KEY2		Dual Display Keyboard	<div></div>			<div></div>
PD310KEY7		Dual Display Keyboard		<div></div>	<div></div>	
Keyboard Tray		/	<div></div>	<div></div>	<div></div>	<div></div>

Due to the continuous upgrading of our company's products, if there are any changes in the content, we will not notify separately.

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