

FMZ

VFD EXPERT

- *AC Drive/VFD/Frequency Inverter*
- *Solar Pump Inverter*
- *Servo Drive*
- *Soft Starter*



Professional VFD Partner From China
SHANGHAI FMZ INDUSTRY CO., LTD.

www.fmz-industry.com

COMPANY PROFILE

Shanghai FMZ Industry Co., Ltd. specializes in R&D & manufacture frequency inverter (variable frequency drive, VFD, VSD, frequency converter, AC Drive), soft starter, ac motor servo and so on with over 15 years' experience. FMZ team already mastered the core vector & vf control technology which means that we not only supply the products but also we are able to help develop some special industrial solution for our customers.

Our above products could widely meet demands of all kinds of machinery equipment, system integration and industrial applications, which are reliable, intelligent, and durable. They are generally applied to all types of industries like CNC(machine tool), mine, textiles, metallurgy, lifting, oil, plastics, chemicals, municipal project and so on.

FMZ staff always keep working hard to support our customers with our all-around services and do our best to provide them with prompt customized solutions. Thanks for the persistent efforts from our lovely colleagues, now we are getting more and more comprehensive recognition from our valuable customers all around the world.

About after-sales service support, we have one experienced team with several 10years+ engineers to quickly supply positive and efficient solutions. They are capable to go to the site for commissioning and operation training.

Our business philosophy is 'Focus On Product **QUALITY** and Customer **SATISFACTION**' .



H300 Series Compact High Performance AC Drives / VFD / Solar Pump Inverter

Power Range:

0.4~2.2kw Input 120-400VDC / 220-240VAC

0.75~11kw Input 250-850VDC / 370-440VAC

- ※ VF/Current Vector Control
- ※ MPPT with 99% high efficiency
- ※ Driving for AC induction motor
- ※ GPRS remote monitoring and control
- ※ RS485 Optional



Specifications

Control method	V/F control, Vector control
Programmable running control	Simple PLC
Overload capacity	150% , 60s; 180%, 3s
Signal input	0-10V
Start signal	Forward; Reverse
Multi-speed operation	Up to 8-segment speed operation
Pump related functions	MPPT
Input terminal	5 terminals

H300 Series Compact High Performance VFD

No.	Model No.	Motor Power	Rated Current	Outline Dimensions	Package Dimensions	Gross Weight
		(kw)	(A)	(HxWxD)(mm)	(HxWxD)(mm)	(KG)
H300 Series AC Drives Single phase AC 220V (Voltage Range: -10% 220V~220+10%)						
1	H300-0R4G-S2	0.4	2.1A	188*88*140mm	213*112*161mm	1.1KG
2	H300-0R7G-S2	0.75	4A			1.2KG
3	H300-1R5G-S2	1.5	7A			1.3KG
4	H300-2R2G-S2	2.2	9.5A			1.5KG
H300 Series AC Drives Three phase AC 380V (Voltage Range: -15% 380V~380+15%)						
1	H300-0R7G-T4	0.75	2.5A	188*88*140mm	213*112*161mm	1.3KG
2	H300-1R5G-T4	1.5	4.1A			1.3KG
3	H300-2R2G-T4	2.2	5.1A			1.4KG
4	H300-3R0G-T4	3.0	7.9A			1.5KG
5	H300-4R0G-T4	4.0	9.4A	210*95*152mm	265*155*210mm	1.6KG
6	H300-5R5G-T4	5.5	12.6A			1.8KG

H400 General Purpose High Performance Vector AC Drives/VFD

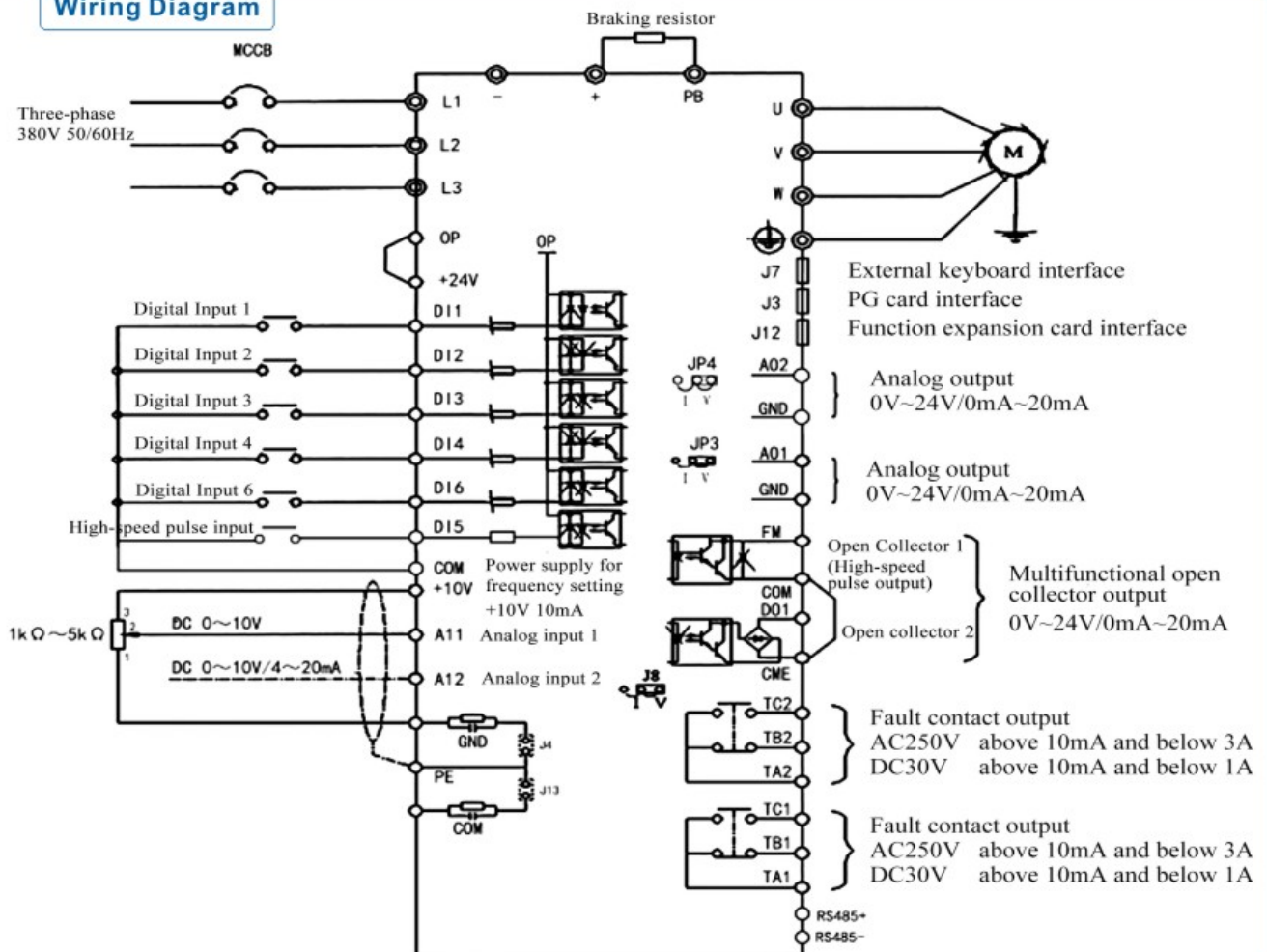
Power Range:

0.75~1000kw 380V~415V $\pm 15\%$

- ※ VF & Vector Control
- ※ RS-485/Modbus
- ※ 16-segment speed
- ※ Low fault ratio: 0.3%
- ※ 1-ph 220V input & 3-ph 380V output (Up to 37kw)
- ※ Special Lift/Elevator software



Wiring Diagram



H400 General Purpose High Performance Vector AC Drives/VFD

Specifications

Control method	V/F control, Open loop vector control (SVC), V/F control: 0~2000Hz Vector control: 0~500Hz
Startup torque	G Type: 0.25 Hz/150% (SVC); 0Hz/180% (FVC); P Type: 0.5Hz/100%
Overload capacity	G Type: 150% , 60s; 180%, 3s; P Type: 120% , 60s; 150%, 3s.
DC braking	DC braking frequency: 0.00Hz~maximum frequency Braking time: 0.0s~36.0s Braking current value: 0.0%~100.0%
Jog control	Jog frequency range: 0.00Hz~50Hz; Jog acceleration and deceleration time :0.0~6500.0s
Multi-speed operation	Up to 16-segment speed operation through built-in PLC or control terminal
Multiple communication protocols	RS-485/Modbus
Input terminal	6 digital input terminals, one of which supports high-speed pulse input up to 100kHz; 2 analog input terminals. 1 only supports 0~10V voltage input,
Output terminal	1 high-speed pulse output terminal (open collector type is optional), 1 digital output terminal, 1 relay output terminal, 1 analog output terminal,
Application	Fan, Pump, Compressor, Lift/Elevator, Conveyor, CNC machine and so on

H400 Series General Purpose High Performance Vector AC Drives/VFD

No.	Model No.	Motor Power	Rated Current	Outline Dimensions	Package Dimensions	Gross Weight
		(kw)	(A)	(HxWxD)(mm)	(HxWxD)(mm)	(KG)
Three phase AC 380V (Voltage Range: -15% 380V~440V+10%)						
1	H400-0R7G/1R5P-T4	0.75	2.1/3.8	186*125*164	257*193*235	2.3KG
2	H400-1R5G/2R2P-T4	1.5	3.8/5.1			2.3KG
3	H400-2R2G/4R0P-T4	2.2	5.1/9			2.5KG
4	H400-4R0G/5R5P-T4	3.7	9/13			2.8KG
5	H400-5R5G/7R5P-T4	5.5	13/17	248*160*183	305*235*243	3.8KG
6	H400-7R5G/11RP-T4	7.5	17/25			4.1KG
7	H400-11RG/15RP-T4	11	25/32			4.5KG
8	H400-15RG/18RP-T4	15	32/37	322*208*192	377*296*256	6.3KG
9	H400-18RG/22RP-T4	18	37/45			6.5KG
10	H400-22RG/30RP-T4	22	45/60			6.8KG
11	H400-30RG/37RP-T4	30	60/75	463*285*228	530*385*310	25.5KG
12	H400-37RG/45RP-T4	37	75/91			26.0KG
13	H400-45RG/55RP-T4	45	91/112	600*385*265	685*470*345	45.0KG
14	H400-55RG/75RP-T4	55	112/152			45.5KG
15	H400-75RG/90RP-T4	75	152/176			46.5KG
16	H400-90RG/110RP-T4	90	176/210	700*473*307	775*545*390	58KG
17	H400-110RG/132RP-T4	110	210/253			60KG
18	H400-132RG/160RP-T4	132	253/304			63KG
19	H400-160RG/185RP-T4	160	304/344	930*579*380	1020*670*420	149KG
20	H400-185RG/200RP-T4	185	344/377			150KG
21	H400-200RG/220RP-T4	200	377/426			151KG
22	H400-220RG/250RP-T4	220	426/465	1060*650*377	1080*670*420	168KG
23	H400-250RG/280RP-T4	250	465/520			170KG
24	H400-280RG/315RP-T4	280	520/585			175KG
25	H400-315RG/350RP-T4	315	585/650	1360*800*388	1400*840*430	268KG
26	H400-355RG-T4	355	650			271KG
27	H400-400RG-T4	400	725			275KG

H800 Series Vector Control AC Drives/VFD

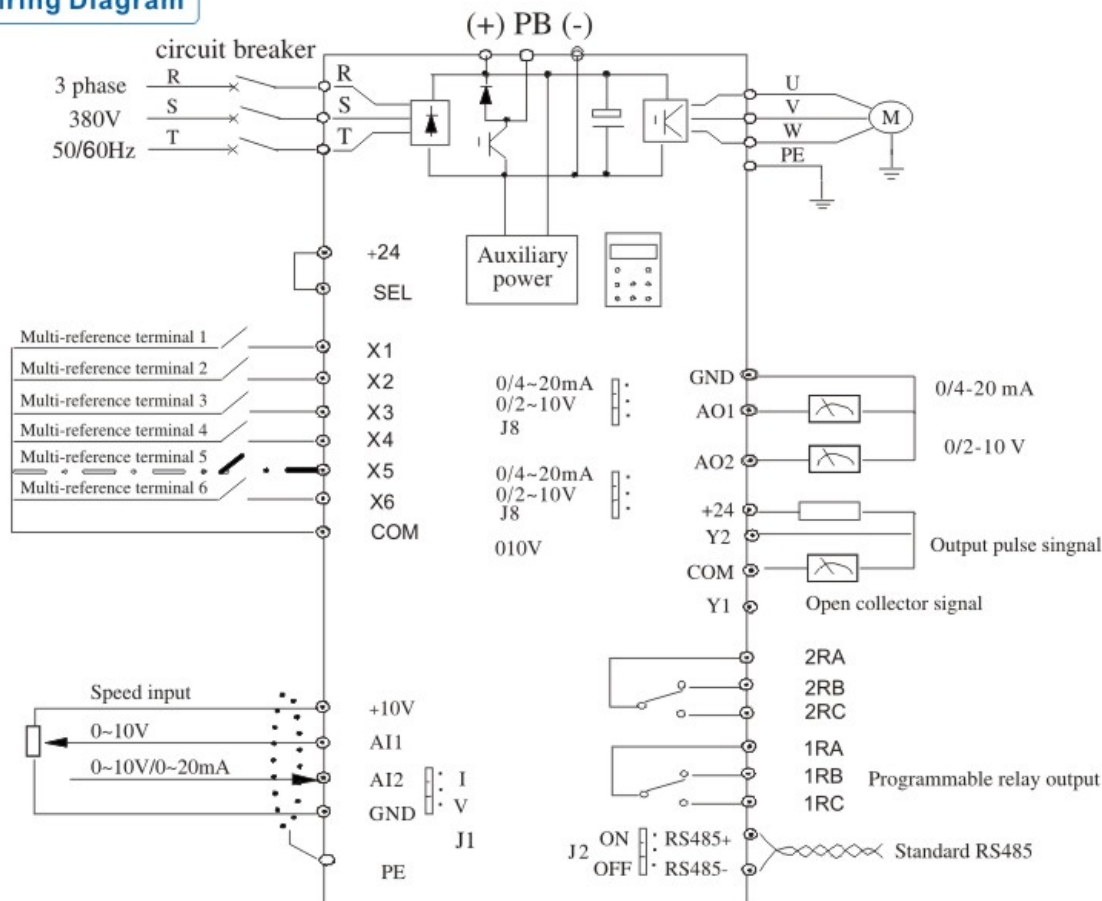
Power Range: 0.4~75kw 220V
0.75~1000kw 380V

- ※ Wide Voltage Range: 380V~440V $\pm 15\%$
- ※ Mature Close Loop Vector Control
- ※ Abundant PG Card options
- ※ Over heavy load Design
- ※ Applicable to synchronous and asynchronous motors
- ※ 3 Phase 220V input and 3 Phase 220V output up to 75kw



Specifications

Control method	V/F 0~3200Hz Vector Control: 0~320Hz
Startup torque	G Type: 0.5 Hz/150% (SVC); 0Hz/180% (FVC); P Type: 0.5Hz/100%
Overload capacity	G Type: 150% , 60s; 180%, 3s; P Type: 120% , 60s; 150%, 3s.
DC braking	DC braking frequency: 0.00Hz~maximum frequency Braking time: 0.0s~36.0s Braking current value: 0.0%~100.0%
Jog control	Jog frequency range: 0.00Hz~50Hz; Jog acceleration/deceleration value :0.0~6500.0s
Multi-speed operation	Up to 16-segment speed operation through built-in PLC or control terminal
Multiple communication protocols	Modbus-RTU / Profibus DP
Input terminal	7 digital input terminals, one of which supports high-speed pulse input up to 100kHz; 2 analog input terminals. 1 only supports 0~10V voltage input,
Output terminal	1 high-speed pulse output terminal (open collector type is optional),1 digital output terminal, 2 relay output terminal, 2 analog output terminal,
Application	Permanent Magnet Synchronous Motor, Plastic Extrusion Machine, Textile machines, CNC machine and so on



No.	Model No.	Motor Power	Rated Current	Outline Dimensions	Package Dimensions	Gross Weight
		(kw)	(A)	(HxWxD)(mm)	(HxWxD)(mm)	(KG)
Three phase AC 380V Input & Three phase AC 380V Output (Voltage Range: -15% 380V~440V+15%)						
1	H800-1R5G/2R2P-T4	1.5	3.8	126*186*157	220*150*180	1.3
2	H800-2R2G/4R0P-T4	2.2	5.1			
3	H800-4R0G/5R5P-T4	4.0	9			
4	H800-5R5G/7R5P-T4	5.5	13	146*256*172	310*190*250	3.6
5	H800-7R5G/11RP-T4	7.5	17			3.7
6	H800-11RG/15RP-T4	11.0	25			4
7	H800-15RG/18RP-T4	15.0	32	208*322*192	390*260*280	6.4
8	H800-18RG/22RP-T4	18.5	37			6.5
9	H800-22RG/30RP-T4	22.0	45			6.8
10	H800-30RG/37RP-T4	30.0	60			7.5
11	H800-37RG/45RP-T4	37.0	75	283*430*230	510*360*310	17
12	H800-45RG/55RP-T4	45.0	90			18
13	H800-55RG/75RP-T4	55.0	110	340*510*280	640*450*380	30
14	H800-75RG/90RP-T4	75.0	152			31
15	H800-90RG/110RP-T4	90.0	176	474*602*298	700*550*530	54
16	H800-110RG/132RP- T4	110.0	210			55
17	H800-132RG/160RP- T4	132.0	253			58

E360 Series Economic VF Control AC Drives/VFD

Power Range: 0.4~2.2kw 220V
0.75~5.5kw 380V

- ※ V/f control
- ※ Performance meets the GB/T12668-2002, IEC61800 standard.
- ※ Built-in Modbus communication optional
- ※ Enforced PCB Painting for harsh environments
- ※ Reliable quality with components designed in accordance with ten-year life.



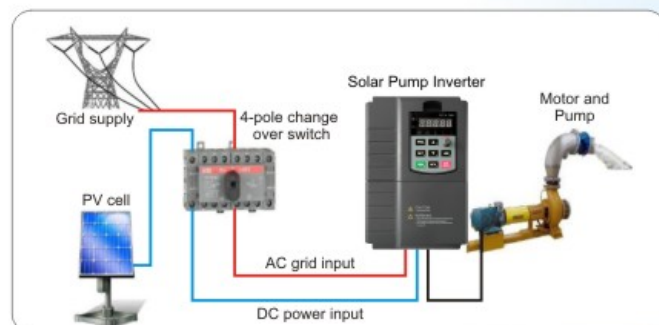
E360 Series Economic VF Control AC Drives/VFD

No.	Model No.	Motor Power	Rated Curren	Outline Dimensions	Package Dimensions	Gross Weight
		(kw)	(A)	(HxWxD)(mm)	(HxWxD)(mm)	(KG)
E360 Series AC Drives Single phase AC 220V (Voltage Range: -10% 220V~220+10%)						
1	E360-0R4G-S2	0.40	2.1A	170*79*135mm	190*100*159mm	1.2
2	E360-0R7G-S2	0.75	4A			1.3
3	E360-1R5G-S2	1.50	7A			1.3
4	E360-2R2G-S2	2.2	9.5A			1.4
E360 Series AC Drives Three phase AC 380V (Voltage Range: -15% 380V~380+15%)						
1	E360-0R7G-T4	0.75	2.5A	170*79*135mm	190*100*159mm	1.3
2	E360-1R5G-T4	1.5	4.1A			1.3
3	E360-2R2G-T4	2.2	5.8A			1.4
4	E360-4R0G-T4	4.0	9.4A	210*95*152mm	265*155*210mm	1.7
5	E360-5R5G-T4	5.5	12.6A			1.8

SPD660 Series High Performance MPPT Solar Pump Inverter

Power Range: 0.4~4.0kw 220V output
0.75~400kw 380V output

- ※ MPPT with 99% high efficiency
- ※ Driving for AC induction motor or PMSM
- ※ GPRS remoter control function is optional Modbus communication
- ※ Easy installation and daily maintenance
- ※ Water level detection and alarm function
- ※ Minimum power input and maximum current protection



SPD660 Series High Performance Solar Pump Inverter With Excellent MPPT Functions

No.	Model No.	Motor Power (kw)	Rated Current (A)	Outline Dimensions (HxWxD)(mm)	Package Dimensions (HxWxD)(mm)	Gross Weight (KG)
Input: 80V~450VDC or 220VAC / Output: 110V~220VAC						
1	SPD660-0R75GB-2S-M	0.75	4	143*86*114	178*133*150	1
2	SPD660-1K5GB-2S-M	1.5	7.5			1.1
3	SPD660-2K2GB-2S	2.2	10	185*118*157	232*172*212	2
4	SPD660-4K0GB-2S	4.0	16	247*160*178	302*212*231	3.6
Input: 250V~900VDC or 380~460VAC / Output: 380~460VAC						
1	SPD660-1K5GB-4T-M	1.5KW	3.7A	143*86*114	178*133*150	1.2
2	SPD660-2K2GB-4T-M	2.2KW	5A	143*86*114	178*133*150	1.2
3	SPD660-1K5GB-4T	1.5KW	3.7A	185*118*157	232*172*212	2
4	SPD660-2K2GB-4T	2.2KW	5A	185*118*157	232*172*212	2
5	SPD660-4K0GB-4T	4.0KW	10A	185*118*157	232*172*212	2
6	SPD660-5K5GB-4T	5.5KW	13A	247*160*178	302*212*231	3.5
7	SPD660-7K5GB-4T	7.5KW	17A	247*160*178	302*212*231	3.6
8	SPD660-011GB-4T	11KW	25A	247*160*178	302*212*231	4.2
9	SPD660-015GB-4T	15KW	33A	247*160*178	302*212*231	4.3
10	SPD660-018GB-4T	18KW	38A	335*217*190	440*340*310	11
11	SPD660-022GB-4T	22KW	45A	360*230*225	440*340*310	14
12	SPD660-030GB-4T	30KW	60A	463*285*225	560*410*350	21
13	SPD660-037GB-4T	37KW	75A	463*285*225	560*410*350	23
14	SPD660-045GB-4T	45KW	91A	600*385*270	680*525*410	32
15	SPD660-055GB-4T	55KW	110A	600*385*270	680*525*410	33
16	SPD660-075GB-4T	75KW	150A	600*385*270	680*525*410	33
17	SPD660-090GB-4T	90KW	180A	700*473*307	890*610*550	62
18	SPD660-110GB-4T	110KW	210A	700*473*307	1060*590*495	66
19	SPD660-132GB-4T	132KW	250A	930*579*375	1220*780*610	99
20	SPD660-160GB-4T	160KW	310A	930*579*375	1220*780*610	105

E700 Series High Performance SVC AC Drives/VFD

Upgraded Model of V7 High Performance VFD

Power Range: 0.4~5.5kw 220V $\pm 15\%$
0.75~500kw 380V $\pm 15\%$

- ※ Excellent VVVF & Sensorless Vector Control Technology
- ※ Competitive price & Reliable Performance
- ※ Removable keyboard & Standard Modbus-RTU communication
- ※ Built-in PID & Simple PLC function
- ※ Easy parameter setting for commissioning



Specifications

Item		Description	
Output	Output voltage	0V to the input voltage	
	Output frequency	0.00 Hz to 500.00 Hz	
	Carrier frequency	0.8khz to 8.0khz (automatic adjustment according to the load)	
	Overload capacity	G machine:110% long term; 150% / 1 min / P machine: 105% long term; 120% / 1 min	
Input	Voltage/Frequency	3-phase: 380V; 50/60Hz / 1-phase: 220V; 50/60Hz	
	the fluctuation of voltage	3-phase: -15% to 10%, allowable range: 323V AC to 528V AC 1-phase: -15% to 10%, allowable range: 170V AC to 264V AC	
	Frequency range	G type: 110% for long-term, 120% for 22 min, 150% for 1min P type: 105% for long-term, 120% for 8 min, 150% for 1min	
Control Character	Frequency Setting	Analog Input	0.025% of maximum output frequency
	Resolution	Digital Setting	0.01 Hz
	Control Mode	Voltage/Frequency (V/F) control, Sensorless vector control (SVC) and Feedback vector control (FVC)	
	Startup torque	(SVC) 0.25 Hz/150%	(FVC) 0 Hz/180%
	Speed range	(SVC) 1 : 200	(FVC) 1 : 1000
	Speed stability accuracy	(SVC) ± 0.5%	(FVC) ± 0.02%
	Torque boost	Customized boost 0.0 % to 30.0 %	
	V/F curve	Straight-line V/F curve, Multi-point V/F curve, Complete V/Fseparation and Half V/F separation	
	Wave current limit	In V/F mode, to achieve fast response and ensure the normal operation of the inverter	
	Ramp mode	Straight-line ramp, S-curve ramp Four separate acceleration / deceleration time: 0.1s to 6500s	
	Automatic voltage regulation (AVR)	The system maintains a constant output voltage automatically when the grid voltage changes through the permissible range.	
	DC injection braking	DC injection braking frequency: 0 Hz to max frequency DC injection braking active time: 0.0s to 100.0s Current level of DC injection braking: 0% to 100%	
	Jog running	Frequency range of jog running: 0.00 to 50.00 Hz Acceleration/Deceleration time of jog running:0.0s to 6500.0s	
	Onboard multiple preset speeds	The system implements up to 16 speeds by using simple PLC function or by using digital input signals.	
	Overvoltage and Overcurrent stall control	Overvoltage and overcurrent stall control	
	Torque limit and control	The system limits the torque automatically. Torque control is applied in vector control.	
Application	Textile machine, Fan, Pump, Compressor, Plastic machine, Conveyor, CNC machine and so on		

E700 Series General Purpose High Performance Vector AC Drives/VFD

No.	Model No.	Motor Power	Rated Current	Outline Dimensions	Package Dimensions	Gross Weight
		(kw)	(A)	(HxWxD)(mm)	(HxWxD)(mm)	(KG)
V7 Series AC Drives Three phase AC 380V (Voltage Range: -15% 380V~415V+10%)						
1	E700-0R7G/1R5P-T4	0.75	2.1A	151*100*138	215*142*183	1.3
2	E700-1R5G/2R2P-T4	1.5	3.8A	151*100*138	215*142*183	1.4
3	E700-2R2G/3RP-T4	2.2	5.1A	151*100*138	215*142*183	1.5
4	E700-4RG/5R5P-T4	3.7	8.5A	214*120*154	265*170*211	2.5
5	E700-5R5G/7R5P-T4	5.5	13A	214*120*154	265*170*211	2.6
6	E700-7R5G/11RP-T4	7.5	16A	240*140*180	302*185*235	3.4
7	E700-11RG/15RP-T4	11	24A	240*140*180	302*185*235	3.5
8	E700-15RG/18RP-T4	15	32A	323*205*205	395*285*300	6.5
9	E700-18RG/22RP-T4	18.5	36A	323*205*205	395*285*300	6.7
10	E700-22RG/30RP-T4	22	44A	323*205*205	395*285*300	6.8
11	E700-30RG/37RP-T4	30	58A	407*283*200	500*396*305	17.8
12	E700-37RG/45RP-T4	37	70A	407*283*200	500*396*305	18.0
13	E700-45RG/55RP-T4	45	90A	510*320*256	600*420*355	24.0
14	E700-55RG/75RP-T4	55	110A	510*320*256	600*420*355	25.0
15	E700-75RG/90RP-T4	75	152A	650*380*275	770*490*343	41.5
16	E700-90RG/110RP-T4	90	172A	510*320*256	770*490*343	41.6
17	E700-110RG/132RP-T4	110	205A	650*380*275	770*490*343	41.8
18	E700-132RG/160RP-T4	132	253A	650*380*275	870*635*505	69.5
19	E700-160RG/185RP-T4	160	304A	650*380*275	870*635*505	71.3
20	E700-185RG/200RP-T4	185	350A	750*495*325	870*635*505	73.0
21	E700-200RG/220RP-T4	200	380A	1005*632*440	1080*710*580	137.0
22	E700-220RG/250RP-T4	220	426A	1005*632*440	1080*710*580	137.0
23	E700-250RG/280RP-T4	250	465A	1005*632*440	1080*710*580	137.0
24	E700-280RG/315RP-T4	280	520A	1005*632*440	1080*710*580	140.0
25	E700-315RG/350RP-T4	315	585A	1250*800*450	1320*870*580	205.0
26	E700-355RG-T4	355	650A	1250*800*450	1320*870*580	205.0
27	E700-400RG-T4	400	725A	1250*800*450	1320*870*580	210.0
28	E700-450RG-T4	450	820A	1250*800*450	1320*870*580	211.0
29	E700-500RG-T4	500	930A	1250*800*450	1320*870*580	215.0

F100C Mini Type VFD (T13-750W-12-H)

100W / 200W / 400W / 750W frequency converter
(RS485 optional)
220V single phase input & three phase output VFD

- ※ Portable vfd
- ※ Compact Design
- ※ Super economic
- ※ RS485 optional



V3 Series 220V/380V High Performance SVC AC Drive/VFD

Voltage: -15% 220V / 380V +15% Single Phase / Three Phase

Power Range: 0.4~2.2kw 220V / 0.75~7.5kw 380V

Typical Technical Characteristics:

- ※ Reliable IPM Module Design
- ※ Output Current:

VOLTAGE LEVEL	POWER(KW)	OUTPUT CURRENT(A)
ONE PHASE 220V	0.4	2.5
	0.75	5
	1.5	7
	2.2	10
THREE PHASE 380V	0.75	3
	1.5	4
	2.2	5
	3.7	8.5
	5.5	13
	7.5	17

- ※ Carrier frequency: 2.0kHz~8.0kHz
- ※ Frequency Output: 0~999Hz
- ※ Acceleration/Deceleration time: 0~255s
- ※ PID Function is available



V6 Series High Performance Sensorless Flux Vector AC Drive/VFD

Voltage: -15% 220V+15% Single Phase/Three Phase

-15% 380V~440V +10% Three Phase

Power Range: 0.4~37kw 220V

0.75~1000kw 380V

Typical Technical Characteristics:

- ※ Ambient temperature is upto 50 C without derating
- ※ Overload capacity: 150% of rated output current for 60s, 200% of rated output current for 2s
- ※ Acceleration and Deceleration Time: 0~3200.0s 4) 16 speed control & simple programmable PLC & PID closed-loop operation;
- ※ Built-in Braking Unit upto 160kw (below 37kw is standard and 37kw~160kw is optional)
- ※ Speed control range: V/f control 1:40 and vector control without PG (open loop control) 1:200
- ※ Customized function & OEM service are available
- ※ Big power application reputation. (800kw for China market and 560kw for Pakistan market. Many big powers like 400kw, 315kw, 280kw have been exported to many countries.)



FLS Soft Starter

Voltage range: AC 3 Phase 380V 50Hz

Power range: 5.5~630kw

Frequency: 50Hz / 60Hz

This Motor Soft Starter can reduce the starting current of Motor and the power-distribution capacity to Motor effectively, so it could save the cost.

The function of soft stopping can solve effectively the surging problem of inertia system when stopping. The conventional motor starting equipments cannot realize it.

The perfect and reliable protection features, can give the effective protection to the operator's safety as well as the motor and matched equipments.

The application of intelligent and network technique make the type Soft Starter meet the high speed development of Electrical force automated technique effectively.



FMS Medium Voltage Soft Starter (2.3KV/3KV/3.3KV/10KV/11KV/13.8KV)

Voltage range: AC3.0-15KV

Power range: 200~15000kw

Frequency: 50Hz/60Hz±2Hz

- ※ Module theory design
- ※ Several start modes available
- ※ Friendly HMI design
- ※ Powerful anti-interference capability
- ※ Easy maintenance & considerate protections



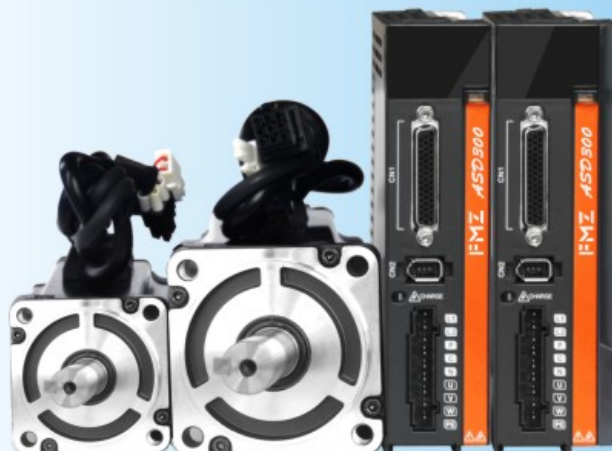
ASD300 Economic Servo Drive

Input voltage range: AC 220V $\pm$ 15%

Input frequency range: 47Hz~63Hz

Applied power: 400W, 750W

- ※ Fast response
- ※ Multi-stage filtering
- ※ 3 times overload
- ※ Resonance suppression
- ※ Five-pole motor
- ※ Supports multiple encoders



The response frequency is 1.2KHz, using all imported high-performance chips, highly optimized speed loop, and current loop control algorithm to increase the corresponding control frequency of the servo. It has the largest amplifier response in the industry, which greatly shortens the response and positioning time. Using multi-stage filter, it has 3 times overload capacity, effectively suppressing position vibration, standard 5-pole motor, supporting 17-bit incremental, 17-bit absolute value, magnetic encoder and other encoders.

ASD600 High Precision Servo Drive



ASD600 High Precision Servo Drive technical parameter

Model No.	ASD600 15**(400W)	ASD600 15** (750W)	ASD600 30**	ASD600 50**	ASD600 75**
Output Power	200-400W	400-1000W	1.0-2.6KW	2.0-5KW	2.0-5.5KW
Control Model	Position analog control, JOG operation, Speed contacts, etc				
Encoder Feedback	Ordinary incremental encoder: 2500 lines incremental standard type 2500line Incremental province-wire serial encoder: 17/23 bit adbsolute encoder				
Conditions of Use	Ambient temperature/storage temperature	Ambient temperature: 0~+50C, Storage temperature: -20~+85C			
	Humidity/Storage humidity	90% RH or less (No freezing or condensation)			
	Resistance to vibration/impact resistance	4.9m/s2/19.6m/s2			
Performance	Structure	Base Mount			
	Speed control range	1-10000 (Lower limit of the speed control range is the smooth operation at reated load without crawling)			
	Speed response	1KHz			
	Rate Volatility (Load variation)	0-100% load; 0% (rated speed)			
	Rate volatility (Voltage variation)	Rated voltage ' $\pm$ 10% : 0% (rated speed)			
	Rate volatility(temperature variation)	25 $\pm$ 25° c: $\pm$ 0.1% or less (rated speed)			

ASD600 High Precision Servo Drive technical parameter

Model No.	ASD600 15**(400W)	ASD600 15** (750W)	ASD600 30**	ASD600 50**	ASD600 75**
Analog speed command input	Command voltage	DC $\pm 10V$			
	Input impedance	Approximately 20K Ω			
	Circuit time parameter	47 μs			
Analog torque command input	Command voltage	DC $\pm 10V$			
	Input impedance	Approximately 20K Ω			
	Circuit time parameter	47 μs			
Sequence input signal	Count	8 Point			
	Function (Distribution)	Servo ON (/S-ON), Paction (/CON), Profibits story side driving (N-OT), Alarm Reset, ALM-RST, positive Zhuance torque limit (/P-CL), reverse the measured torque limit (/N-CL), the position deviation is cleared (/CLR), the internal set speed switching can be allocated and the signal of the positive/negative logic change)			
Sequence output signal	Count	6 point			
	Function (Distribution)	Servo alarm () ALM Positioning completion (/COIN) consistent speed detection (/V-COMP) servo motor rotation detection (/TGON) servo ready (/S-RDY), torque limit detection (/CLT) Brakes (/BK) encoder zero output (PGC) can be assigned as well as the positive/negative logic of the signal change			
Encoder diving pulse output		A phase, B phase, C: linear drive output; divider pulses: can be arbitrarily set			
RS-485 communications	Protocol	MODBUS			
	1: N Communication	Can be up to N= 127 station			
	Axis address setting	By parameter setting			
CAN Commuincations	CAN Communications	CAN Open (DS301+DS402 profile)			
	1:N Communication	Can be upto N=127 station			
	Axis address setting	By parameter setting			
Yaskawa M2 Communications	Communication protocol	MECHATROLINK-II			
	1:N Communication	MAX TO Station N=30			
	Station number agreement	SET by parameter			
Yaskawa M3 Communications	Communication protocol	MECHATROLINK-III			
	1:N Communication	MAX TO Station N=62			
	Station number agreement	SET by parameter			
Display Function Regeneration treatment		CHARGE LED, 7-segment 5 Built-in regenerative resistor or external regenerative resistor (Optional)			
Overtravel (OT) prevention function		P-OT, N-OT Enter the action of dynamic brake (DB) stop, deceleration stop or free-run stop			
Protection		Overcurrent, overvoltage, undervoltage, overload, speeding, regeneration fault, encoder feedback error, etc			
Monitoring functions		Speed, current position, command pulse accumulcation, position deviation, motor current, operating status, input and output signals			
Accessibility Features		Gain adjustment, alarm recording, JOG operation, origin search, inertia testing			
Smart features		Built-in automatic gain tuning function			
Use load inert		Less than 5 times of motor inertia			
Position control	Feedforward compensation	0~100% (Setting unit 1%)			
	Input pulse types	Sign +pulse train, CW + CCW pulse train, 90°C phase difference between the two-phase pulse (A phase +B phase)			
	Input pulse form	Supports linear drive, open collector			
	Maximum input pulse frequency	Linear drive Sign + pulse train, CW+CCW pulse sequence: 500K pps 90°C phase difference between the two-phase pulse (A phase +B-phase): 500K pps Open collector Sign +pulse train, CW+CCW pulse sequence: 200K pps 90 °C phase difference between the two-phase pulse (A phase +B-phase): 200K pps			

Application



FMZ

VFD EXPERT

15+ Years in VFD Industry

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