



# COMPREHENSIVE PRODUCT CATALOG



PRAGMATICISM  
INNOVATION UNITY ENDEAVOR



ShenZhen VEIKONG Electric CO.,Ltd.

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Passed ISO9001 quality management system Certification and EU CE certification





# COMPANY PROFILE

Shenzhen Veikong Electric CO.,Ltd. a high-tech enterprise which has been specializing in researching, manufacturing and trading high, medium and low voltage VFD and solar pump inverter as well as bypass contactor soft starter, providing our clients with integrated system solutions. We have professional R&D and devoted management team with more than 20 years' experience of theoretical research, product development and quality management. Veikong is also one of the first independent AC drives company in China. We adopt SPWM, sensorless vector control and vector and torque control technology in our VFD series inverters, which has reached the international advanced standard.



Professional R&D team


# 20+

Over 20 years of professional management experience

The products can directly replace and be equivalent of Europe and the United States, Japan and other brands, providing customers with a powerful technical support. We have achieved popularity and qualification in VFD and soft starter industry. Quality is the life of enterprise. Veikong drives keeps following ISO9001 standard to manage and supervise quality. Our products have passed CE certification and other technical approval. To better achieve customer requirements and market needs, Veikong drives keeps on upgrading new technologies and new products with more than 10% of our income invest. The customer is the source of enterprise. We are honored to put top priority on customers' requirements as well as achieving their requirements. Our products have been widely used in petroleum, chemical, melting, hoisting, electric power, building materials, water supply, plastics, textiles, printing, packing and other industries to create value for customers. Veikong, your trusted supplier in China!!!



**Company values**  
Diligence, Innovation,  
Effort, Integrity



**Business philosophy**  
Mutual value,  
win-win cooperation



**Vision**  
Become a world-class  
provider of drive control  
products and solutions







# QUALIFICATION CERTIFICATIONS



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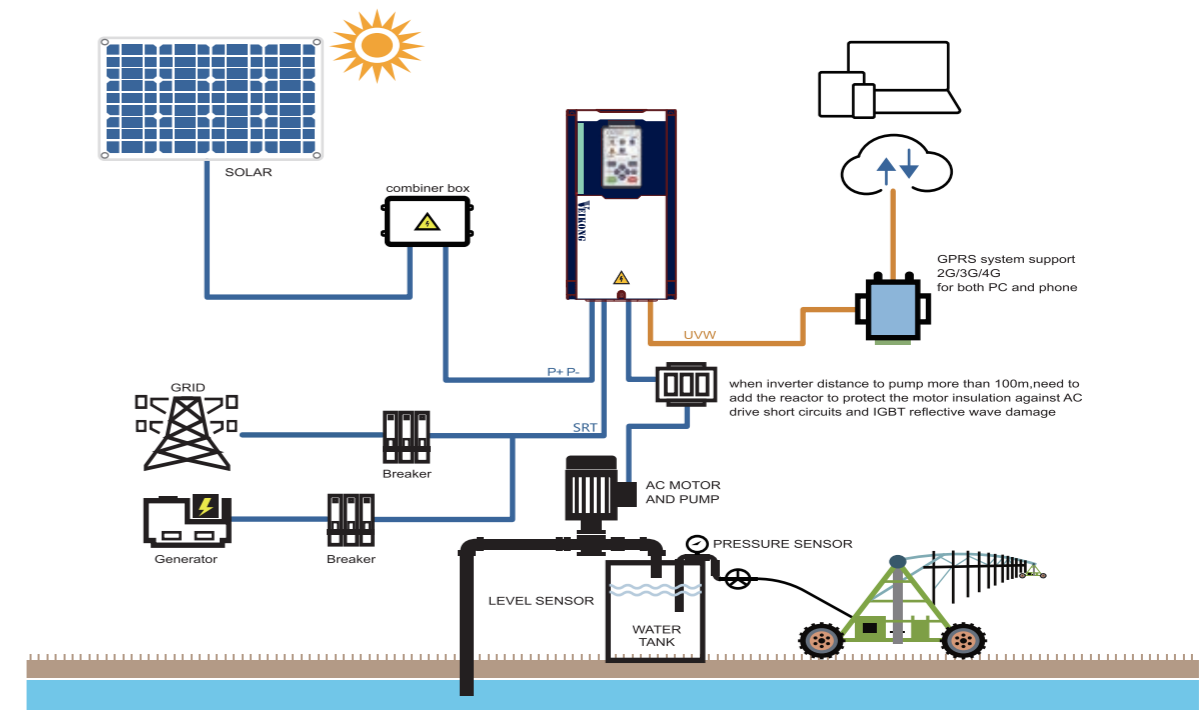
# VFD500-PV

# N1

## Solar Pumping Inverter VFD500-PV



### Model Reference







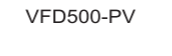
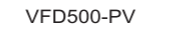
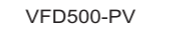
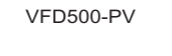
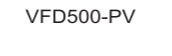
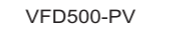
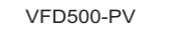
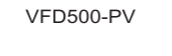
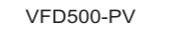
### Electrical Specifications

	220V	380V
Max input DC voltage(VOC)	450V	800V
DC voltage range	160V-450V	350V-800V
Recommended DC input voltage range(Vmpp)	250V-400V	450V-600V
Recommended input operation voltage	305V(Vmpp)	530V(Vmpp)
MPPT efficiency	>99%	
Rated output voltage	1/3-phase 220VAC	3-phase 380V-480V VAC
Output frequency range	50/60Hz(maximum 600hz)	
Max efficiency of the machine	99%	
Ambient temperature range	-10 °C-50 °C, derating if the temperature is above 40 °C	
Cooling method	Air cooling	
Protection degree	IP20/P21	
Altitude	Below 1000m; above 1% for every additional 100m.	
Standard	CE/ROHS	



# VFD500-PV

## Model Range

Drive Model	Related Voltage	Max DC input voltage (V)	Rated output current (A)	Applicable water pump (KW)	Inverter photo
VFD500M-20T00150-PV	220V	450	8	1.5	
VFD500M-20T00220-PV	220V	450	10.6	2.2	
VFD500M-40T00150-PV	380V	800	4.2	1.5	
VFD500M-40T00220-PV	380V	800	5.6	2.2	
VFD500M-40T00400-PV	380V	800	9.4	4	
VFD500M-40T00550-PV	380V	800	13	5.5	
VFD500M-40T00750-PV	380V	800	17	7.5	
VFD500-20T00150-PV	220V	450	8	1.5	
VFD500-20T00220-PV	220V	450	10.6	2.2	
VFD500-20T00400-PV	220V	450	17	4	
VFD500-40T00150-PV	380V	800	4.2	1.5	
VFD500-40T00220-PV	380V	800	5.6	2.2	
VFD500-40T00400-PV	380V	800	9.4	4	
VFD500-40T00550-PV	380V	800	13	5.5	
VFD500-40T00750-PV	380V	800	17	7.5	
VFD500-40T01100-PV	380V	800	25	11	
VFD500-40T01500-PV	380V	800	32	15	
VFD500-40T01850-PV	380V	800	37	18.5	
VFD500-40T02200-PV	380V	800	45	22	
VFD500-40T03000-PV	380V	800	60	30	
VFD500-40T03700-PV	380V	800	75	37	
VFD500-40T04500-PV	380V	800	90	45	
VFD500-40T05500-PV	380V	800	110	55	
VFD500-40T07500-PV	380V	800	152	75	
VFD500-40T09000-PV	380V	800	176	90	
VFD500-40T11000-PV	380V	800	210	110	
VFD500-40T13200-PV	380V	800	253	132	
VFD500-40T16000-PV	380V	800	304	160	
VFD500-40T18500-PV	380V	800	360	185	
VFD500-40T20000-PV	380V	800	380	200	
VFD500-40T22000-PV	380V	800	426	220	
VFD500-40T25000-PV	380V	800	465	250	
VFD500-40T28000-PV	380V	800	520	280	
VFD500-40T31500-PV	380V	800	585	315	
VFD500-40T35500-PV	380V	800	650	355	
VFD500-40T40000-PV	380V	800	725	400	
VFD500-40T45000-PV	380V	800	820	450	
VFD500-40T50000-PV	380V	800	900	500	

## Optional GPRS Monitoring Device



VEIKONG solar pump inverter GPRS system is a professional monitoring system platform managing solar pump plants.

It supplies water volume monitoring and operation of inverter from anywhere at any time.

It's convenient to visit real time and historical data via web or IOS & Android APP anytime and anywhere.

This easy-to-use platform make monitoring of solar pump systems simple and convenient, far reducing operate time and monitoring costs as well.

## Installation and terminal connection

Terminal	Drive	GPRS module
Power terminal	24+	VCC
	COM	GND
Communication terminal	485+	TX1/A1+
	485-	RX1/B1-



# VFD500

# N2

General purpose AC Drive

# VFD500 VFD530



Model	Power capacity	Input current	Output current(A)		Adaptable Motor	SIZE	Brake Unit
			Heavy	Light			
<b>Three phase: 380-480V, 50/60Hz</b>							
VFD500-R75GT4B	1.5	3.4	2.5	4.2	0.75 kW	SIZE A	Internal
VFD500-1R5GT4B	3	5	4.2	5.6	1.5 kW		
VFD500-2R2GT4B	4	5.8	5.6	9.4	2.2 kW		
VFD500-4R0G/5R5PT4B	5.9	10.5	9.4	13.0	3.7 kW	SIZE B	
VFD500-5R5G/7R5PT4B	8.9	14.6	13.0	17.0	5.5 kW		
VFD500-7R5G/011PT4B	11	20.5	17.0	23.0	7.5 kW	SIZE C	
VFD500-011G/015PT4B	17	26.0	25.0	31.0	11 kW		
VFD500-015G/018PT4B	21	35.0	32.0	37.0	15 kW	SIZE D	
VFD500-018G/022PT4B	24	38.5	37.0	45.0	18.5 kW		
VFD500-022G/030PT4B	30	46.5	45.0	57.0	22 kW	SIZE E	
VFD500-030G/037PT4	40	62.0	60.0	75.0	30 kW		
VFD500-037G/045PT4	50	76.0	75.0	87.0	37 kW	SIZE F	Optional
VFD500-045G/055PT4	60	92.0	90.0	110.0	45 kW		
VFD500-055G/075PT4	75	113.0	110.0	135.0	55 kW	SIZE G	
VFD500-075G/090PT4	104	157.0	152.0	165.0	75 kW		
VFD500-090G/110PT4	112	170.0	176.0	210.0	90 kW	SIZE H	
VFD500-110G/132PT4	145	220.0	210.0	253.0	110 kW		
VFD500-132G/160PT4	170	258.0	253.0	304.0	132 kW	SIZE I	External
VFD500-160G/185PT4	210	320.0	304.0	360.0	160 kW		
VFD500-185G/200PT4	245	372.0	360.0	380.0	185 kW	SIZE J	
VFD500-200G/220PT4	250	380.0	380.0	426.0	200 kW		
VFD500-220G/250PT4	280	425.0	426.0	465.0	220 kW	SIZE K	
VFD500-250G/280PT4	315	479.0	465.0	520.0	250 kW		
VFD500-280G/315PT4	350	532.0	520.0	585.0	280 kW	SIZE L	
VFD500-315G/355PT4	385	585.0	585.0	650.0	315 kW		
VFD500-355G/400PT4	420	638.0	650.0	725.0	355 kW	SIZE M	
VFD500-400G/450PT4	470	714.0	725.0	820.0	400 kW		
VFD500-450G/500PT4	530	800.0	820.0	900.0	450 kW		
VFD500-500G/560PT4	585	880.0	900.0	980.0	500 kW	SIZE N	
VFD500-560G/630PT4	660	950.0	980.0	1080.0	560 kW		
VFD500-630GT4	720	1080.0	1120.0	1260.0	630 kW	SIZE N	
VFD500-710GT4	800	1200.0	1260.0	1380.0	710 kW		



# VFD500

## Product Series Instruction

Model	Power capacity	Input current	Output current(A)		Adaptable Motor	SIZE	Brake Unit
			Heavy	Light			

### Single phase : 220V ,50/60HZ

VFD500-R40GS2B	1.3	6.0	3.2	5.6	0.4 kW	SIZE A	Inbuilt
VFD500-R75GS2B	2.4	11.0	5.6	8.0	0.75 kW		
VFD500-1R5GS2B	3.5	15.0	8.0	10.6	1.5 kW		
VFD500-2R2GS2B	5.5	25.0	10.6	14.0	2.2 kW		
VFD500-4R0GS2B	7.7	35.0	23.0	23.0	4.0 kW	SIZE B	
VFD500-5R5GS2B	8.9	53.0	25.0	31.0	5.5 kW	SIZE C	
VFD500-7R5GS2B	11	67.0	32.0	37.0	7.5 kW	SIZE D	
VFD500-011GS2B	30	46.5	45.0	/	11 kW	SIZE E	Optional
VFD500-015GS2	40	62.0	60.0	/	15 kW	SIZE E	
VFD500-018GS2	50	76.0	75.0	/	18.5 kW	SIZE F	
VFD500-022GS2	60	92.0	90.0	/	22 kW	SIZE F	
VFD500-030GS2	75	113.0	110.0	/	30 kW	SIZE G	
VFD500-037GS2	104	157.0	152.0	/	37 kW	SIZE G	
VFD500-045GS2	112	170.0	176.0	/	45 kW	SIZE H	
VFD500-055GS2	145	220.0	210.0	/	55 kW	SIZE H	External
VFD500-075GS2	145	320.0	304.0	/	75 kW	SIZE I	

### Three phase : 220V ,50/60HZ

VFD500-R40GT2B	4	6.0	3.2	5.6	0.4 kW	SIZE A	Inbuilt
VFD500-R75GT2B	4	11.0	5.6	8.0	0.75 kW		
VFD500-1R5GT2B	3.5	15.0	8.0	10.6	1.5 kW		
VFD500-2R2GT2B	5.5	25.0	10.6	14.0	2.2 kW		
VFD500-4R0GT2B	11	35.0	17.0	23.0	4.0 kW	SIZE B	
VFD500-5R5GT2B	17	53.0	25.0	31.0	5.5 kW	SIZE C	
VFD500-7R5GT2B	21	67.0	32.0	37.0	7.5 kW	SIZE D	
VFD500-011GT2B	30	46.5	45.0	/	11 kW	SIZE E	Optional
VFD500-015GT2	40	62.0	60.0	/	15 kW	SIZE E	
VFD500-018GT2	50	76.0	75.0	/	18.5 kW	SIZE F	
VFD500-022GT2	60	92.0	90.0	/	22 kW	SIZE F	
VFD500-030GT2	75	113.0	110.0	/	30 kW	SIZE G	
VFD500-037GT2	104	157.0	152.0	/	37 kW	SIZE G	
VFD500-045GT2	112	170.0	176.0	/	45 kW	SIZE H	
VFD500-055GT2	145	220.0	210.0	/	55 kW	SIZE H	External
VFD500-075GT2	145	320.0	304.0	/	75 kW	SIZE I	

## Extension cards for options



CANOPEN card



Profinet card



IO extension card



Incremental PG card



Frequency division PG card



Rotary/Evolver PG card

## Multiple display for options



Version 1 LCD



Version 2 LCD



Version 2 LED



Shuttle display with potentiometer



Keypad bracket

## Standard built-in C3 filter for all VFD500 drives

All VFD500 VFD built-in C3 filter

18.5-200 KW can be built-in DC reactor for options, 30-75KW can be built-in braking unit for options

## Support non-standard software custom development

VEIKONG OEM service has helped more and more clients been unique and special in his own market and grow better step by step. Besides, what makes VEIKONG different from other supplier lays on the high standard technology we can achieve for our clients like the nonstandard software custom development.

VEIKONG, your trusted supplier for higher standard VFD project!

# VFD530

## PMSM Inverter Highlights



Compatible for both IM and PMSM

Support IO extension board and spring terminal IO board

Special brake logic mechanism for crane and hoist

High capacity 256KT DSP with faster response and higher accuracy

2 PID loop for HVAC

Magnetic flux brake gain

## Product features

- 1 VFD530 series high performance precision control AC drive can be used in some special applications related to lifting, hoist, and crane.
- 2 Tension control and torque mode control
- 3 Output frequency up to 3000HZ
- 4 2 replay outputs
- 5 Comparator and logic unit/controller
- 6 5 Digital inputs(supports MAX 9 DI)
- 7 Encoder auto tuning

## PRODUCT SERIES INSTRUCTION

Model	Power capacity	Input current	Output current(A)		Adaptable Motor	SIZE	Brake Unit	
			Heavy	Light				
<b>Three phase: 380-480V, 50/60Hz</b>								
VFD530-R75GT4B	1.5	3.4	2.5	4.2	0.75 kW	SIZE A	Internal	
VFD530-1R5GT4B	3	5	4.2	5.6	1.5 kW			
VFD530-2R2GT4B	4	5.8	5.6	9.4	2.2 kW			
VFD530-4R0G/5R5PT4B	5.9	10.5	9.4	13.0	3.7 kW	SIZE B		
VFD530-5R5G/7R5PT4B	8.9	14.6	13.0	17.0	5.5 kW			
VFD530-7R5G/011PT4B	11	20.5	17.0	23.0	7.5 kW	SIZE C		
VFD530-011G/015PT4B	17	26.0	25.0	31.0	11 kW			
VFD530-015G/018PT4B	21	35.0	32.0	37.0	15 kW	SIZE D		
VFD530-018G/022PT4B	24	38.5	37.0	45.0	18.5 kW			
VFD530-022G/030PT4B	30	46.5	45.0	57.0	22 kW	SIZE E		
VFD530-030G/037PT4	40	62.0	60.0	75.0	30 kW			
VFD530-037G/045PT4	50	76.0	75.0	87.0	37 kW			
VFD530-045G/055PT4	60	92.0	90.0	110.0	45 kW	SIZE F	Optional	
VFD530-055G/075PT4	75	113.0	110.0	135.0	55 kW			
VFD530-075G/090PT4	104	157.0	152.0	165.0	75 kW	SIZE G		
VFD530-090G/110PT4	112	170.0	176.0	210.0	90 kW			
VFD530-110G/132PT4	145	220.0	210.0	253.0	110 kW	SIZE H		External
VFD530-132G/160PT4	170	258.0	253.0	304.0	132 kW			





# VFD530



Model	Power capacity	Input current	Output current(A)		Adaptable Motor	SIZE	Brake Unit
			Heavy	Light			
<b>Three phase: 380-480V , 50/60Hz</b>							
VFD530-160G/185PT4	210	320.0	304.0	360.0	160 kW	SIZE I	External
VFD530-185G/200PT4	245	372.0	360.0	380.0	185 kW	SIZE J	
VFD530-200G/220PT4	250	380.0	380.0	426.0	200 kW	SIZE K	
VFD530-220G/250PT4	280	425.0	426.0	465.0	220 kW		
VFD530-250G/280PT4	315	479.0	465.0	520.0	250 kW	SIZE L	
VFD530-280G/315PT4	350	532.0	520.0	585.0	280 kW		
VFD530-315G/355PT4	385	585.0	585.0	650.0	315 kW		
VFD530-355G/400PT4	420	638.0	650.0	725.0	355 kW	SIZE M	
VFD530-400G/450PT4	470	714.0	725.0	820.0	400 kW		
VFD530-450G/500PT4	530	810.0	820.0	900.0	450 kW		
VFD530-500G/560PT4	585	900.0	900.0	980.0	500 kW		
VFD530-560G/630PT4	660	969.0	980.0	1080.0	560 kW	SIZE N	
VFD530-630GT4	720	1100.0	1120.0	1260.0	630 kW		
VFD530-710GT4	800	1245.0	1260.0	1380.0	710 kW		
<b>Single phase: 220V ,50/60HZ</b>							
VFD530-R40GS2B	1.3	6.0	3.2	5.6	0.4 kW	SIZE A	Inbuilt
VFD530-R75GS2B	2.4	11.0	5.6	8.0	0.75 kW		
VFD530-1R5GS2B	3.5	15.0	8.0	10.6	1.5 kW		
VFD530-2R2GS2B	5.5	25.0	10.6	14.0	2.2 kW	SIZE B	
VFD530-4R0GS2B	7.7	35.0	23.0	23.0	4.0 kW		
VFD530-5R5GS2B	8.9	53.0	25.0	31.0	5.5 kW	SIZE C	
VFD530-7R5GS2B	11	67.0	32.0	37.0	7.5 kW		
<b>Three phase : 220V ,50/60HZ</b>							
VFD530-R40GT2B	4	6.0	3.2	5.6	0.4 kW	SIZE A	Inbuilt
VFD530-R75GT2B	4	11.0	5.6	8.0	0.75 kW		
VFD530-1R5GT2B	3.5	15.0	8.0	10.6	1.5 kW		
VFD530-2R2GT2B	5.5	25.0	10.6	14.0	2.2 kW		
VFD530-4R0GT2B	11	35.0	17.0	23.0	4.0 kW	SIZE B	
VFD530-5R5GT2B	17	53.0	25.0	31.0	5.5 kW		
VFD530-7R5GT2B	21	67.0	32.0	37.0	7.5 kW	SIZE C	
VFD530-011GT2B	30	46.5	45.0	/	11 kW		
VFD530-015GT2	40	62.0	60.0	/	15 kW	SIZE E	Optional
VFD530-018GT2	50	76.0	75.0	/	18.5 kW		
VFD530-022GT2	60	92.0	90.0	/	22 kW	SIZE F	
VFD530-030GT2	75	113.0	110.0	/	30 kW		
VFD530-037GT2	104	157.0	152.0	/	37 kW	SIZE G	
VFD530-045GT2	112	170.0	176.0	/	45 kW		
VFD530-055GT2	145	220.0	210.0	/	55 kW	SIZE H	External
VFD530-075GT2	145	320.0	304.0	/	75 kW		

# n3

## Economic AC Drive

# VFD500M



# VFD500M

# VFD500M

## VFD500M Compact Vector Drive Features



Internal EMC filter

Operation in high ambient temperature 50°C

Onboard Comms Modbus RTU

Complies with EN61800-3 Cate-gory C3 Environment

Output frequency 3000hz

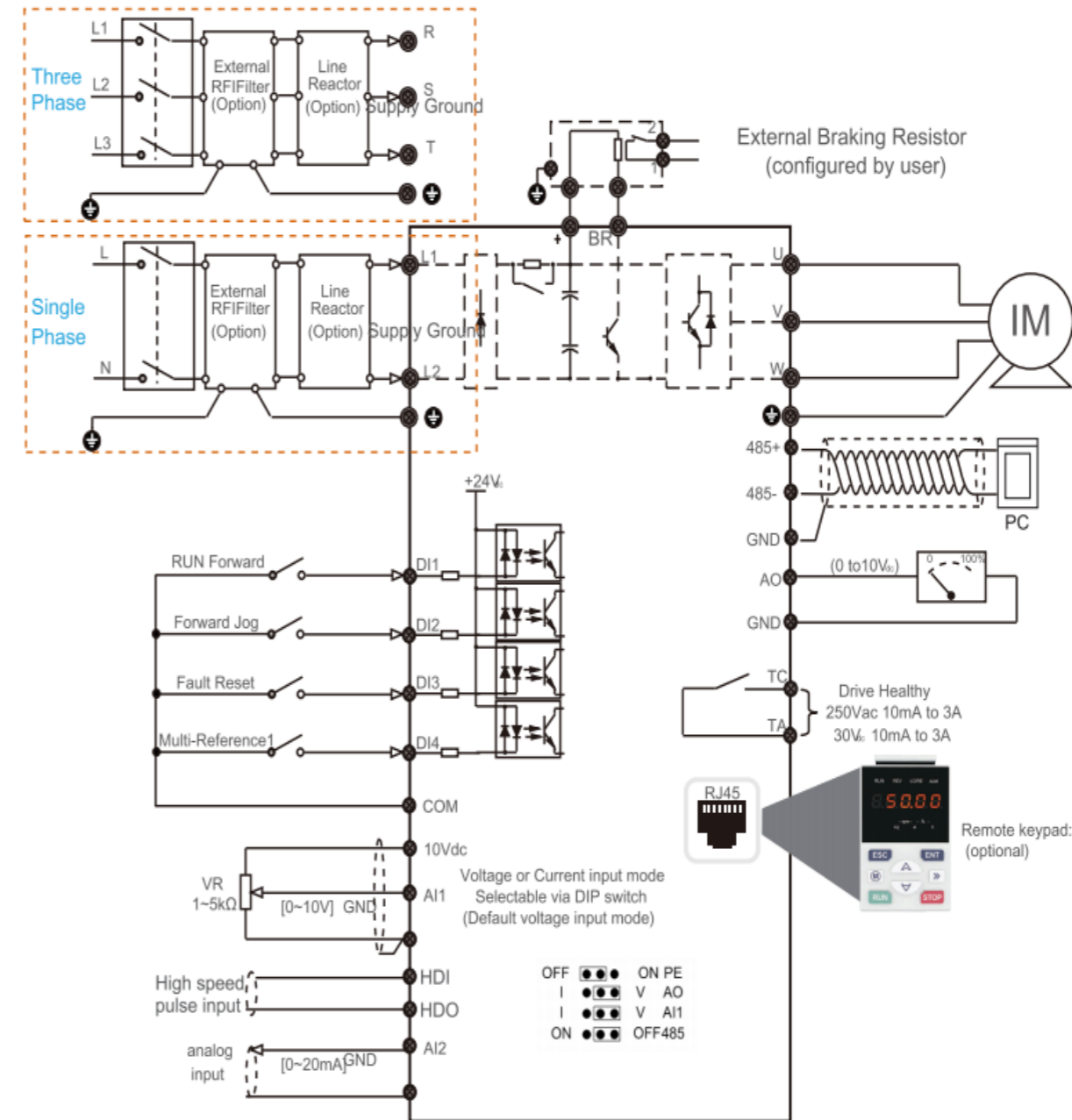
Enhanced reliability protection against humidity and pollution dust

### VFD500M Product Series

Model	Power capacity (KVA)	Input current (A)	Output current(A)		Adaptable motor(KW)	Bake unit
			Heavy load	Light Load		
<b>3 phase: 380V-480V, 50/60Hz</b>						
VFD500M-R75GT4B	1.6	3.2	2.5	4.2	0.75	Internal
VFD500M-1R5GT4B	2.8	4.7	4.2	5.6	1.5	
VFD500M-2R2GT4B	3.7	7.8	5.6	9.4	2.2	
VFD500M-4ROGT4B	6.2	11.6	9.4	13.0	4	
VFD500M-5R5GT4B	8.6	15.6	13.0	17.0	5.5	
VFD500M-7R5GT4B	11.2	20.5	17.0	23	7.5	
<b>1 phase: 200-240V, 50/60Hz</b>						
VFD500M-R40GS2B	1.2	6.9	2.8	3.2	0.4	Internal
VFD500M-R75GS2B	2.1	12.2	4.5	4.8	0.75	
VFD500M-1R5GS2B	3.1	17.0	8.0	10.6	1.5	
VFD500M-2R2GS2B	4.1	21.0	10.6	12.5	2.2	
<b>3 phase: 200V-240V, 50/60Hz</b>						
VFD500M-R40GT2B	1.2	4	2.8	3.2	0.4	Internal
VFD500M-R75GT2B	2.1	7.1	4.5	4.8	0.75	
VFD500M-1R5GT2B	3.1	11.3	8.0	10.6	1.5	
VFD500M-2R2GT2B	4.1	14.5	10.6	12.5	2.2	

## General Connection Diagram

VFD500M Micro Vector Ac Drive





# VFD580/586

# N4

## High End AC Drive VFD580/586



### Series Description

Model	Rated output current	Applicable motor	Size	Brake unit
<b>Three phase : 400V</b>				
VFD580/586-2R2-T4B	5.6A	2.2 KW	SIZE A	Standard built-in
VFD580/586-4R0-T4B	9.4A	4.0 KW		
VFD580/586-5R5-T4B	13.0A	5.5 KW		
VFD580/586-7R5-T4B	17.0A	7.5 KW	SIZE B	
VFD580/586-011-T4B	25.0A	11 KW	SIZE C	
VFD580/586-015-T4B	32.0A	15 KW		
VFD580/586-018-T4B	37.0A	18.5 KW		
VFD580/586-022-T4B	45.0A	22 KW	SIZE D	
VFD580/586-030-T4B	60.0A	30 KW		
VFD580/586-037-T4B	75.0A	37 KW		
VFD580/586-045-T4 (B)	90.0A	45 KW	SIZE E	Optional built-in
VFD580/586-055-T4 (B)	110.0A	55 KW	SIZE F	Optional built-in
VFD580/586-075-T4 (B)	152.0A	75 KW		
VFD580/586-090-T4 (B)	176.0A	90 KW		
VFD580/586-110-T4	210.0A	110 KW	SIZE G	Circumscribed
VFD580/586-132-T4	253.0A	132 KW	SIZE H	
VFD580/586-160-T4	304.0A	160 KW		
VFD580/586-200-T4	380.0A	200 KW	SIZE I	
VFD580/586-220-T4	426.0A	220 KW		
VFD580/586-250-T4	465.0A	250 KW		
VFD580/586-280-T4	520.0A	280 KW	SIZE J	
VFD580/586-315-T4	585.0A	315 KW		

Model	Rated output current	Applicable motor	Size	Brake unit
<b>Single phase/Three phase : 220V</b>				
VFD580/586-0R7-S2B (T2B)	5.6A	0.75 KW	SIZE A	Standard built-in
VFD580/586-1R5-S2B (T2B)	8.0A	1.5 KW		
VFD580/586-2R2-S2B (T2B)	10.6A	2.2 KW		
VFD580/586-4R0-S2B (T2B)	17.0A	4.0 KW	SIZE B	
VFD580/586-5R5-S2B (T2B)	25.0A	5.5 KW	SIZE C	
VFD580/586-7R5-S2B (T2B)	32.0A	7.5 KW		
VFD580/586-011-S2B (T2B)	45.0A	11 KW		
VFD580/586-015-S2B (T2B)	60.0A	15 KW	SIZE D	
VFD580/586-018-S2B (T2B)	75.0A	18.5 KW		

# VFD580/586

## VFD580 Series High End Variable Frequency Drive

VFD580 drive adopts leading design methods, showing excellent performance like scalability, reliability, electromagnetic compatibility and other aspects, mainly targeting occasions with high demands product with comprehensive performance.

### Rich communication interface

CANopen Modbus-RTU



EtherCAT

### Compatible with various encoders

- . Incremental HTL/TTL
- . Resolver
- . SinCos interface encoder
- . Smart-Abs interface encoder
- . SSI / BISS interface encoder



### Compatible with multiple motors

Asynchronous motor, servo motor, synchronous motor;



### Protection from all sides

- . Three-phase current detection
- . Short circuit protection to ground
- . Charging circuit abnormal protection
- . Brake resistor short circuit protection

### Security function

- . STO (Safe Torque Off) function, compliant with IEC 62061-SIL3.

### Hardware configuration

- . From frame size C, the built-in DC reactor is standard
- . Standard motor temperature sensor interface, support PT100, PT1000, KTY84, PTC and other input
- . Standard one encoder interface, support NPN type HTL input, or complementary type TTL input;
- . Fully independent air duct design, no derating at 50°C ambient temperature

### Powerful performance

- . Unique online identification technology to adapt to various complex applications
- . Strong speed-up ability of weak magnetic field, higher loop bandwidth;
- . Frequency conversion servo integrated design, integrated senseless vector and closed-loop vector control, supports three operating modes of torque/speed/position.

### User friendly

- . All weak current circuits adopt plug-in design, which is convenient for installation and maintenance;
- . MTSOP1 colorful LCD display can support multiple languages and graphical operation, bringing a new user experience.





# VKS8000

# 05

## Soft Starter

# VKS8000

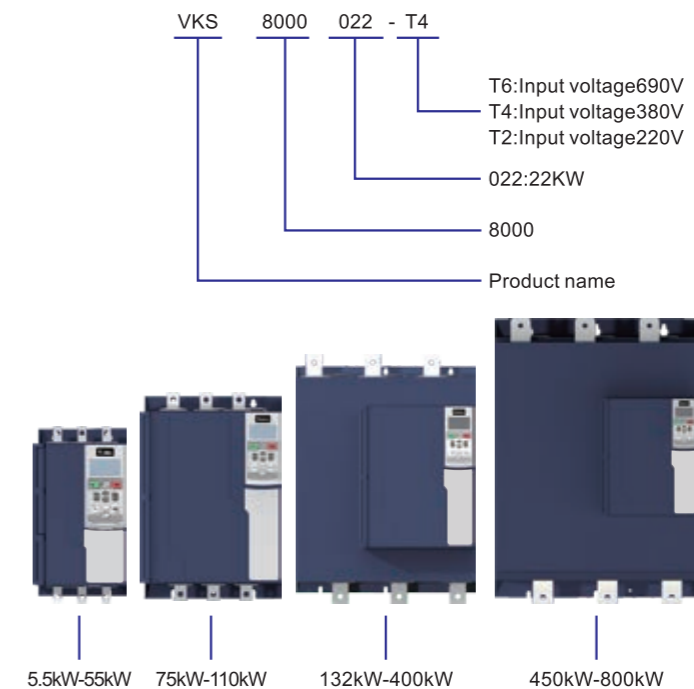
# VKS6000



## Soft starter function introduction



## Model selection definition



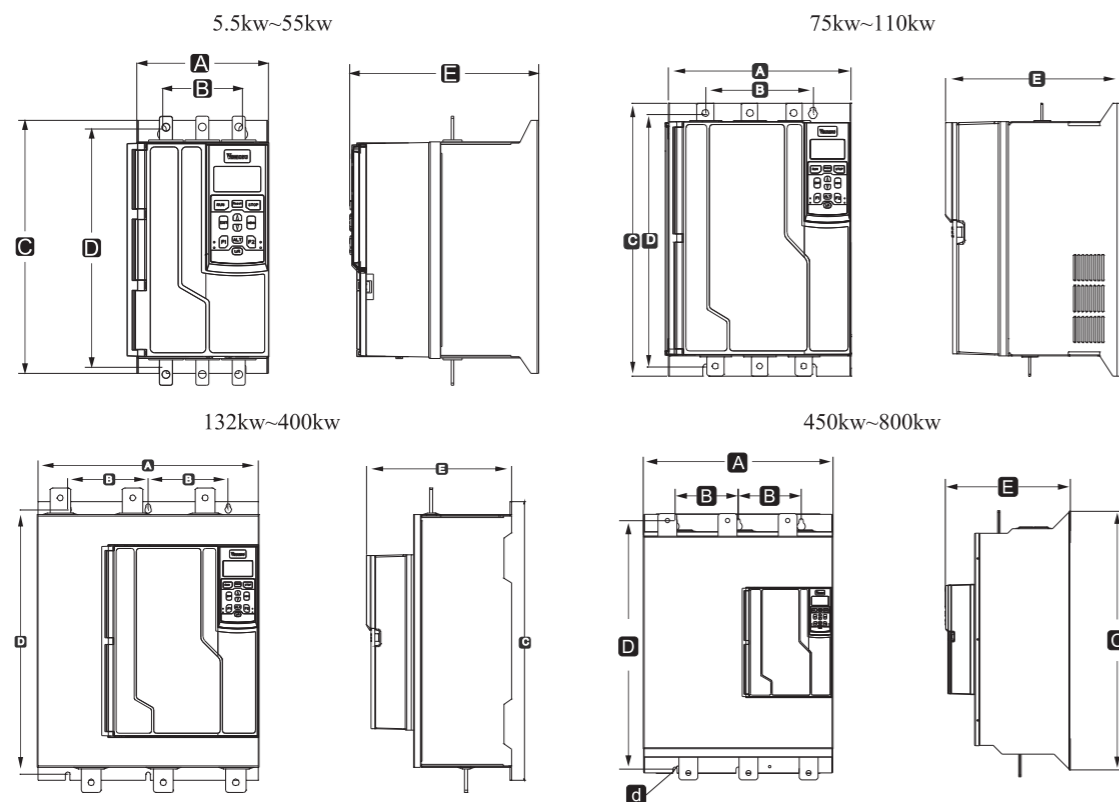
(the power range of 5.5kW ~ 400kW is normal 380V, 220V is required, and 690V needs to be ordered separately)

# VKS8000

# VKS6000

## Dimensions and specifications

Voltage Level	Rated Working Current	Rated Power	Display method	Number of parameters	Protection function type	input Output Number of terminals	Overload capacity
380V	22A- 1600A	11kW- 800kW	Chinese English LCD	132 PCS	20 kinds	24 PCS	150%le,35s 200%le,15s
690V	22A- 1600A	11kW- 1200kW					



Specification model	Dimensions (mm)			Installation size (mm)			Outline
	A	C	E	B	D	d	
11kW- 55kW	152	297	215	92	269	M6	Fig1
75kW- 110kW	274	408	260	160	385	M8	Fig2
132kW- 400kW	443	560	290	320	530	M8	Fig3
450kW-800kW	600	823	395	480	788	M8	Fig4

## Soft Starter Features



## General Technical Date

Both VKS8000 and VKS6000 series support the OEM service with high protection level soft starter control cabinet





# VKS6000

## General technical date

VKS. No.	Model reference	Current(A)	Power and Voltage	Size H/W/D(mm)	N.W/KG
1	VKS-6000-5.5-Z	11A	5.5KW/380V	315/145/215	7
2	VKS-6000-7.5-Z	15A	7.5KW/380V	315/145/215	7
3	VKS-6000-011-Z	22A	11KW/380V	315/145/215	7
4	VKS-6000-015-Z	30A	15KW/380V	315/145/215	7
5	VKS-6000-18.5-Z	37A	18.5KW/380V	315/145/215	7
6	VKS-6000-022-Z	43A	22KW/380V	315/145/215	7
7	VKS-6000-030-Z	60A	30KW/380V	315/145/215	7
8	VKS-6000-037-Z	75A	37KW/380V	315/145/215	7
9	VKS-6000-045-Z	90A	45KW/380V	315/145/215	7
10	VKS-6000-055-Z	110A	55KW/380V	360/210/255	14
11	VKS-6000-075-Z	150A	75KW/380V	360/210/255	14
12	VKS-6000-090-Z	180A	90KW/380V	360/210/255	14
13	VKS-6000-115-Z	230A	115KW/380V	465/330/255	30
14	VKS-6000-132-Z	264A	132KW/380V	465/330/255	30
15	VKS-6000-160-Z	320A	160KW/380V	465/330/255	30
16	VKS-6000-185-Z	370A	185KW/380V	562/490/295	60
17	VKS-6000-200-Z	400A	200KW/380V	562/490/295	60
18	VKS-6000-250-Z	500A	250KW/380V	562/490/295	60
19	VKS-6000-280-Z	560A	280KW/380V	562/490/295	60

# VF

## Special VFD

# VFD510

# VK30



# VFD510

# VK30

## MODEL INSTRUCTION



### Product Introduction:

VFD510 is a high protection grade frequency inverter for asynchronous motor control. The product has the characteristics of excellent software performance, simple and easy to use; The hardware is designed with high reliability; The structure is simple and generous, The appearance is beautiful, and the protection level reaches IP54. VFD510 can be used for all kinds of open loop speed/torque control applications, especially suitable for occasions that have strict requirements on system cost, reliability, and use environment

Model	Power capacity	Input current	Output current(A)		Adaptable Motor	SIZE	Brake Unit
			Heavy	Light			
<b>Three phase: 380-480V, 50/60Hz</b>							
VFD510-R75GT4B	1.5	3.4	2.5	4.2	0.75 kW	SIZE A	Internal
VFD510-1R5GT4B	3	5	4.2	5.6	1.5 kW		
VFD510-2R2GT4B	4	5.8	5.6	9.4	2.2 kW		
VFD510-4R0G/5R5PT4B	5.9	10.5	9.4	13.0	3.7 kW	SIZE B	
VFD510-5R5G/7R5PT4B	8.9	14.6	13.0	17.0	5.5 kW		
VFD510-7R5G/011PT4B	11	20.5	17.0	23.0	7.5 kW		
VFD510-011G/015PT4B	17	26.0	25.0	31.0	11 kW	SIZE C	
VFD510-015G/018PT4B	21	35.0	32.0	37.0	15 kW		
VFD510-018G/022PT4B	24	38.5	37.0	45.0	18.5 kW	SIZE D	
VFD510-022G/030PT4B	30	46.5	45.0	57.0	22 kW		
VFD510-030G/037PT4	40	62.0	60.0	75.0	30 kW	SIZE E	option
VFD510-037G/045PT4	50	76.0	75.0	87.0	37 kW		
VFD510-045G/055PT4	60	92.0	90.0	110.0	45 kW	SIZE F	
VFD510-055G/075PT4	75	113.0	110.0	135.0	55 kW		
VFD510-075G/090PT4	104	157.0	152.0	165.0	75 kW	SIZE G	

## VK30 Special Pump Drive



## VK30 series Intelligent pump inverter

Vk30 series intelligent pump inverter can effectively proof dust and water, can dorsal installation. Using the TI's DSP from US and infineon IGBT Module, with simple operation, high reliability, complete protection, low noise, cost-effective features ,support for remote pressure gauge and pressure transmitter, energy-saving effect is excellent, easy to operate, just press the up and down keys to achieve the pressure setting.

Model	Single phase 220V			
	model	output power	output current (A)	pump power
Model	VK30-R75GS2	0.75 kW	4.5	0.75 kW
	VK30-1R5GS2	1.5 kW	7	1.5 kW
	VK30-2R2GS2	2.2 kW	10	2.2 kW
	Three phase 380V			
	VK30-R75GT4	0.75 kW	2.5	0.75 kW
	VK30-1R5GT4	1.5 kW	3.7	1.5 kW
	VK30-2R2GT4	2.2 kW	5	2.2 kW
	VK30-4R0GT4	4 kW	9	4 kW
	VK30-5R5GT4	5.5 kW	13	5.5 kW
	VK30-7R5GT4	7.5 kW	17	7.5 kW

## VK30 series Intelligent pump inverter

- high degree IP54 protection, dust-proof and water-proof
- Press the up and down keys to adjust the pressure
- knapsack installation, without another distribution box
- Protection for lack of water, low pressure, high pressure, overload, over-current
- Support remote pressure gauge and pressure transmitter
- Sub-pressure control, built-in regular water feature
- Special PID software with intelligent control

**Power Range**  
 Single phase 220V:  
 0.75kw-2.2kw  
 Three phase  
 0.75-7.5kw