



Veikong

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CHINA SHENZHEN

ShenZhen VEIKONG Electric CO., Ltd.

Company Profile

Automatic production line





Brife introduction

Shenzhen Veikong Electric CO.,Ltd. a high-tech enterprise which has been specializing in researching, manufacturing and trading high, medium and low voltage inverter, 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 also is 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. 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 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 meet customer requirements and market needs, Veikong drives keeps on upgrading new technologies and new products.

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.





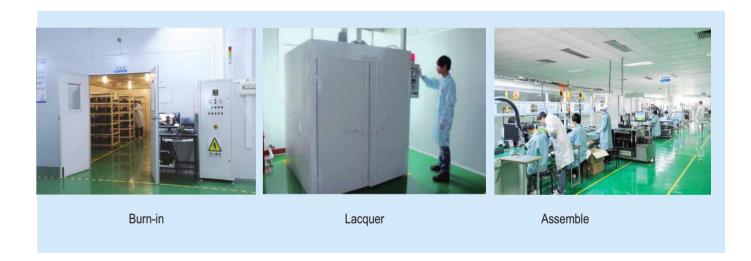








PCBA Production Line and Test

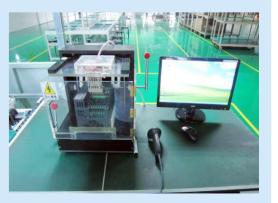








Automatic PCBA ATE test platform

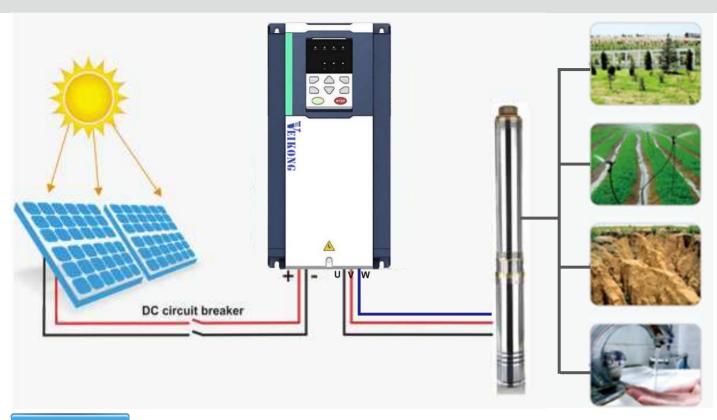


Automatic FLASH test platform

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VFD500-PV Solar Pumping Inverter





Key features

- Maximizing power generation efficiency of solar modules with the use of advanced MPPT control technology
- Adjust water outflow of pumps quickly on basis of sunlight intensity change
- Automatic hibernation and wake up

 - (1) Hibernate at high water level and wake up at low water lever(2) Hibernate at sunrise and sunset and wake up at strong sunlight
- DSP technology and Infineon PIM design, with functions of overcurrent, overvoltage and overtemperature protection, achieving automatic and ready running
- Support LCD and LED display
- Built in Rs485 ports, laptop software and GPRS control is available

220V Rating Data

Drive model	Max DC input current (A)	Rated output current (A)	Applicable water pump (KW)
VFD500-20T00075-PV	6.7	4.5	0.75
VFD500-20T00150-PV	9.9	7	1.5
VFD500-20T00220-PV	14.1	10	2.2
VFD700-20T00400-PV	22.6	16	4

380V Rating Data

Drive model	Max DC input current (A)	Rated output current (A)	Applicable water pump (kW)	
VFD500-40T00075-PV	4.2	2.5	0.75	
VFD500-40T00150-PV	6.1	3.7	1.5	
VFD500-40T00220E-PV	7.1	5	2.2	
VFD500-40T00220-PV	7.1	5	2.2	
VFD500-40T00400-PV	16.5	9.5	4	
VFD500-40T00550E-PV	23.9	14	5.5	
VFD500-40T00750-PV	30.6	18.5	7.5	
VFD500-40T01100-PV	39.2	25	11	
VFD500-40T01500-PV	49.0	32	15	
VFD500-40T01850-PV	57	38	18.5	
VFD500-40T02200-PV	69	46	22	
VFD500-40T03000E-PV	91	60	30	
VFD500-40T03700E-PV	114	75	37	
VFD500-40T04500E-PV	146	96	45	
VFD500-40T05500E-PV	190	125	55	
VFD500-40T07500E-PV	237	156	75	
VFD500-40T09000-PV	273	180	90	
VFD500-40T11000-PV	319	210	110	
VFD500-40T13200-PV	389	256	132	

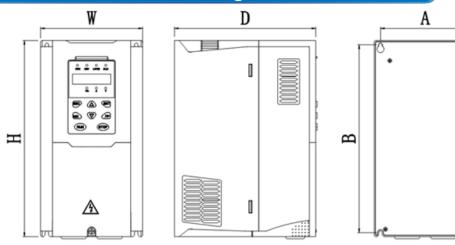
Electrical Specifications

	220V	380V		
Max input DC voltage	410V	800V		
Recommended MPPT voltage range	270~400VDC	350~750VDC		
Recommended input voltage	310V	513V		
MPPT efficiency	99.9%			
Input channel	2			
Rated output voltage	3-phase 220VAC	3-phase 380VAC		
Output frequency range	0~60Hz			
Max efficiency of the machine	97%			
Ambient temperature range	-10 °C~50 °C, derating if th	e temperature is above 40 °C		
Cooling method	Air cooling			
Protection degree	IP20			
Altitude	Below 1000m; above 1% for every additional 100m.			
Standard	CE			

VFD700-PV Solar Pumping Inverter



Appearance and Mounting Hole Dimension



	Appearance and installation dimension (mm)								
SIZE	А	В	Н	H1	W	D	Фd	Mounting screws	
SIZE A	87	206.5	215	1	100	170	ø5.0	M4X16	
SIZE B	114	239.5	250	1	130	180	ø5.0	M4X16	
SIZE C	159	298	310	1	180	193	Ø6.0	M5X20	
SIZE D	165	350	365		210	205	Ø6.0	M5X20	
SIZE E	170	437	452.5		260	230	Ø7.0	M6X16	
SIZE F	250	535	555		310	275	Ø10.0	M8X20	
SIZE G	280	620	640		350	290	Ø10.0	M8X20	

Electrical Specifications



Commercial/Agricultural irrigation system



Agricultural and animal husbandry water supply system



Barren hills governance system



Agricultural greenhouse water supply system



Landscape fountain system



Solve water short problem

Common system configuration

		Solar modules and configurations						
Water pump power(kw)	Drive model	Module type	Solar panel quantity	Parallel condition quantity	Total quantity	Total Power (kw)	Total input Voltage(v)	
2.2	VFD500-2R2GT4B-PV	SYP100-18	30	1	30	3	584	
4	VFD500-4R4GT4B-PV	SYP250-30	20	1	20	5	634	
5.5	VFD500-5R5GT4B-PV	SYP200-30	19	2	38	7.6	572	
7.5	VFD500-7R5GT4B-PV	SYP250-30	20	2	40	10	634	
11	VFD500-11/15GT4B-PV	SYP250-30	20	3	60	15	634	

Input voltage DC250-780, adaptive MPPT search, the best operating voltage range 530-650VDC

