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浙江琦缤科技股份有限公司
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Keeping drive the world

Comprehensive Handbook of Industrial Automation Products

Company Profile

Zhejiang Qibin Technology Co., Ltd. and its affiliated company Haiyan Lixiang Electronic Technology Co., Ltd. are located in Haiyan city, enjoying convenient transportation. We are a professional manufacturer of frequency inverters, integrating R&D, production and sales together. We have a modern plant area of more than 35,000 square meters, with international manufacturing and testing equipment, intelligent laboratory. We also own excellent teams who focus on product development & design, quality control & inspection and company running.

Our products are certificated by ISO9000, C E & SGS etc. The main products include solar pumping variable frequency drives, elevator drives, universal inverters and related products, which are widely used in steel, building materials, textile, printing and machine tool industries, etc.

Besides, we are making great efforts to develop new products to meet different requirements. If you have any new ideas for the products, please contact us. We are glad to work together with you and finally bring you the satisfied products.

With decades of experience in the frequency conversion industry, our products are selling well around China. Furthermore, we have created partnerships with thousands of customers worldwide such as Southeast Asia, Middle East, Europe, the US and other areas.

Adhering to the business principle of mutual benefits, we have had a reliable reputation among our customers because of our professional services, quality products and competitive prices. We warmly welcome customers from at home and abroad to cooperate with us for common success.



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QB-30 series

QB-30 Off- Grid solar inverter

CE Off-Grid Inverter



- Pure Sine wave solar inverter
- Output power factor 1
- High PV input voltage range 120-450V
- Built-in 80A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit for harsh environment
- Support working without battery

Application



Solar



PC



TV



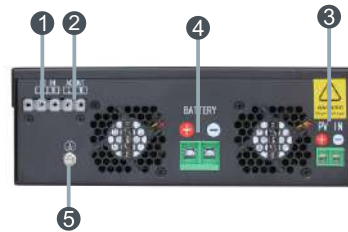
Fan



Home Appliance

System connection

Off-Grid Inverter



Overview

1. AC input
2. AC output
3. PV input
4. Battery input
5. GND



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5050
series

5050 series is a high-performance vector VFD



- Vector control
- 0.4-15KW standard built-in brake unit
- Support common DC bus scheme
- Support multiple encoding options
- Integrated position control
- Integrated speed control
- Integrated torque control
- Standard RS485 communication control

AC 1PH 220V-240V (0.4~55KW)
AC 3PH 220V-240V (0.4~90KW)
AC 3PH 380V-440V (0.4~500KW)

Application

Textile machinery. Metal processing. Woodworking machinery.
Paper making machinery. Printing machinery.
Petroleum. Plastic machinery. CNC machinery

The 5050 series frequency converter adopts speed sensorless vector control technology, and the product has excellent driving and control performance. Maximum support for built-in brake unit of 132KW (optional) with standard configuration up to 15KW, which can better meet the needs of brother industrial control





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QB100-PV series

100PV is a specialized VFD for photovoltaic water pump applications



AC 1PH 220V-240V (0.4~7.5KW)
AC 3PH 220V-240V (0.4~15KW)
AC 3PH 380V-440V (0.4~315KW)

- Start and sleep automatically
- work without care for 24 hours
- Optional configuration of WIFI module
- Maximum power point tracking (MPPT) up to 99%
- Waterless protection (without sensors)
- Optional built-in timing function
- Optional configuration of GPRS module
- AC-DC simultaneous access seamless switching

Application

Urban water supply, desert management
grassland animal husbandry, aquaculture water supply

100PV is specifically designed for photovoltaic water pumps, with high MPPT efficiency and low failure rate. With the addition of ACDC function, it truly achieves seamless switching between AC and DC, achieving an MPPT efficiency of 99%





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QB300
series



QB300 is a specialized inverter for photovoltaic water pumps



AC 1PH 220V-240V (0.4~7.5KW)
AC 3PH 220V-240V (0.4~15KW)
AC 3PH 380V-440V (0.4~315KW)

- Support synchronous water pump
- Support for LCD keyboard
- Full range of large volume and high configuration
- Start and sleep automatically
- work without care for 24 hours
- Optional configuration of WIFI module
- Maximum power point tracking (MPPT) up to 99%
- Waterless protection (without sensors)
- Optional built-in timing function
- Optional configuration of GPRS module
- AC-DC simultaneous access seamless switching

Application

Urban water supply, desert management
grassland animal husbandry, aquaculture water supply

QB300 covers all the functions of 100PV,
while supporting synchronous water pump operation and LCD keyboard,
making it more user-friendly and supporting customized functions for users





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QB600
series

QB600 Customized solar water pump VFD

CE



- Concise user menu
- Full range of large volume and high configuration
- Start and sleep automatically
- work without care for 24 hours
- Maximum power point tracking (MPPT) up to 99%
- Port water level control

AC 1PH 220V-240V (0.4~7.5KW)
AC 3PH 220V-240V (0.4~15KW)
AC 3PH 380V-440V (0.4~315KW)

Application

Urban water supply, desert management
grassland animal husbandry, aquaculture water supply

LX500 photovoltaic water pump dedicated VFD with built-in efficient MPPT algorithm,
with automatic start and stop function, the user interface is simple and easy





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Z5500-P series

Z5500-P series is a open-loop elevator dedicated inverter



- UPS light load search function
- Scalable I/O port
- High performance DSP
- Standard RS485 communication control
- 0.4-37KW standard built-in brake unit
- Start and stop any curve settings
- Customizable built-in parameters
- High performance vector control without encoder

AC 3PH 220V-240V (2.2~7.5KW)
AC 3PH 380V-480V (3.7~37KW)

Application

Widely used in cargo elevators and passenger elevators

Open loop elevator dedicated inverter adopts a brand new control platform with advanced inverter vector control technology, and has made modular and customizable innovations on the basis of traditional frequency converters to meet complex personalized needs





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D5500-P series

D5500-P series is a closed-loop elevator dedicated inverter



AC 3PH 220V-240V (3.7~7.5KW)
AC 3PH 380V-480V (3.7~37KW)

- Optional LCD keyboard
- 0.4-37KW standard built-in brake unit
- Closed loop vector control 0HZ 200% torque out
- Standard RS485 communication control
- Removable PG card supports multiple encoders
- 220Vac UPS(sine&quasi square type)
- Anti-rollback function for PMSM gearless machines
- Short floor and direct approach functions
- Comprehensive trip diagnostics
- Dual CPU design
- Automatic direction udgmengt under UPS

Application

Widely used in cargo elevators and passenger elevators

Advanced Vector Technology with Dual CPUs, Having the ability to determine the initial angle of the magnetic poles of a synchronous motor in a stationary state. Multiple startup compensation functions, Support multiple types of encoding, including synchronous and asynchronous machines, as well as new products that integrate open loop and closed loop





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Z5100
series

Z5100 series is a open-loop elevator dedicated inverter



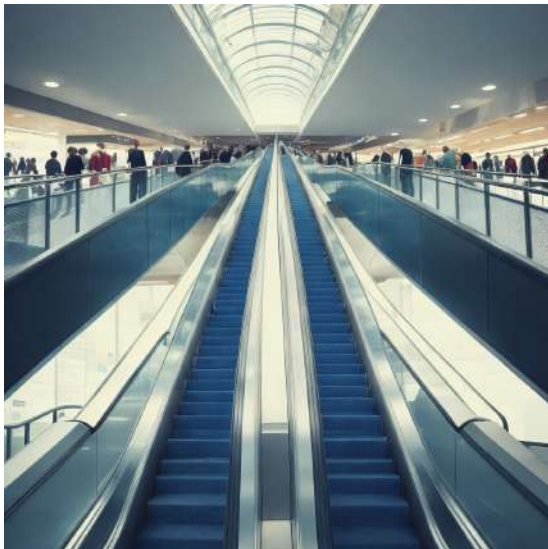
- UPS light load search function
- Scalable I/O port
- High performance DSP
- Standard RS485 communication control
- 0.4-37KW standard built-in brake unit
- Start and stop any curve settings
- Customizable built-in parameters
- High performance vector control without encoder

AC 3PH 220V-240V (2.2~7.5KW)
AC 3PH 380V-480V (3.7~37KW)

Application

Widely used in cargo elevators and passenger elevators

Open loop elevator dedicated inverter adopts a brand new control platform with advanced inverter vector control technology, and has made modular and customizable innovations on the basis of traditional frequency converters to meet complex personalized needs





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D5100 series

D5100 series is a closed-loop elevator dedicated inverter



AC 3PH 220V-240V (3.7~7.5KW)
AC 3PH 380V-480V (3.7~37KW)

- Optional LCD keyboard
- 0.4-37KW standard built-in brake unit
- Closed loop vector control 0HZ 200% torque out
- Standard RS485 communication control
- Removable PG card supports multiple encoders
- 220Vac UPS(sine&quasi square type)
- Anti-rollback function for PMSM gearless machines
- Short floor and direct approach functions
- Comprehensive trip diagnostics
- Automatic direction judgment under UPS

Application

Widely used in cargo elevators and passenger elevators

Advanced Vector Technology with Dual CPUs, Having the ability to determine the initial angle of the magnetic poles of a synchronous motor in a stationary state. Multiple startup compensation functions, Support multiple types of encoding, including synchronous and asynchronous machines, as well as new products that integrate open loop and closed loop





5100 series

5100 series is a high-performance vector VFD



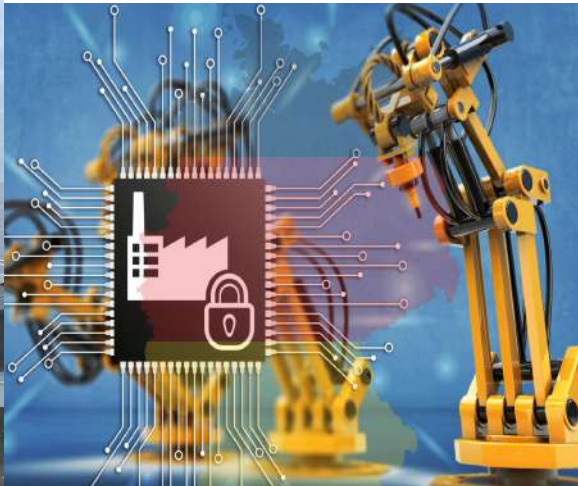
AC 3PH 220V-240V (0.4~90KW)
AC 3PH 380V-440V (0.4~500KW)

- Vector control
- 0.4-37KW standard built-in brake unit
- Support common DC bus scheme
- Support multiple encoding options
- Integrated position control
- Integrated speed control
- Integrated torque control
- Closed loop vector control 0HZ 200% torque out
- Standard RS485 communication control

Application

Textile machinery. Metal processing. Woodworking machinery.
Paper making machinery. Printing machinery.
Petroleum. Plastic machinery. CNC machinery

The 5100 series inverter is based on a DSP control system, adopts vector control technology, and is combined with various protection methods. It can be used for asynchronous motors to improve their driving performance. It integrates position, speed, and torque control, supports customer secondary development, meets personalized and industry needs, is flexible in application, and has stable performance





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QB5500M
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QB5500M series is a high-performance vector Mini VFD

CE



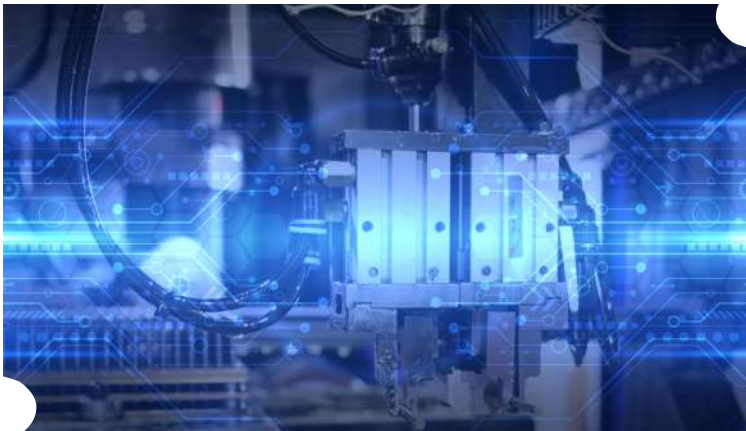
- Vector control
- 0.4-7.5KW optional built-in brake unit
- Integrated speed control
- Integrated torque control
- Closed loop vector control 0HZ 200% torque out
- Standard RS485 communication control

AC 3PH 220V-240V (0.4~2.2KW)
AC 3PH 380V-440V (4~7.5KW)

Application

Paper making machinery. Printing machinery.
Petroleum. Plastic machinery. CNC machinery

The QB5500M series economical inverter is positioned for ordinary applications in the small power matching market, with PID. Multi segment speed. DC braking. Common functions such as MODBUS communication and panel speed control function





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QBS700
series

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QBS700 series is a high-performance lifting dedicated inverter

CE



- Full series standard with built-in brake unit
- High performance DSP chip control
- Closed loop vector control 0HZ 200% torque out
- Standard RS485 communication control
- Removable PG card supports multiple encoders
- Integrated lifting dedicated functions

AC 3PH 220V-240V (0.4~22KW)
AC 3PH 380V-480V (3.7~315KW)

Application

Shipbuilding industry, ports, lifting equipment, etc

The lifting inverter can adjust the speed and force of the lifting machinery according to different work needs to improve work efficiency and safety. The lifting frequency converter can usually achieve functions such as smooth start, smooth stop, speed adjustment, torque control, etc., making the operation of lifting machinery more stable and controllable.





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QB5000 series



AC 3PH 220V-240V (2.2~3.7KW)
AC 3PH 380V-480V (2.2~37KW)

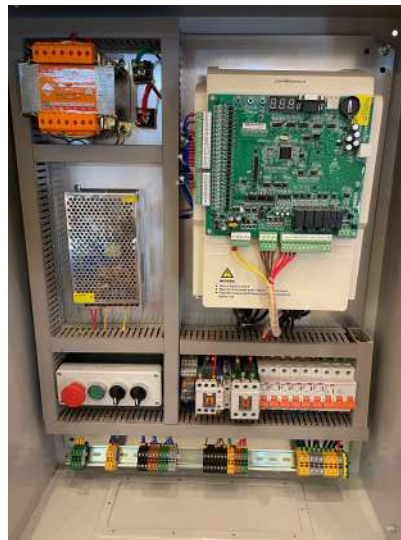
QB5000 series is a Integrated elevator controller - conventional elevator

- Safe and reliable
- Advanced and easy to use
- Comfort Economy
- Innovative output contactor detection method
- Removable PG card supports multiple encoders
- Flexible and rich modular value-added accessories
- Anti-rollback function for PMSM gearless machines
- Automatic detection of balance coefficient
- Comprehensive trip diagnostics
- Dual CPU design
- UCMP, band brake braking force detection function

Application

Passenger elevator, cargo elevator,
escalator, villa elevator

The QB5000 series elevator integrated driver integrates elevator logic control with traction machine drive, making the entire elevator control and drive system simple, reducing costs, and improving reliability. It covers the control and drive of peripheral equipment such as passenger elevators, cargo elevators, escalators, villa elevators, and door machines.





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Blue Fairy series

Blue Fairy series is Protection inverter



- Support for photovoltaic input
- IP65 high protection level
- Software Customization
- Longer service life than ordinary inverters

AC 3PH 220V-240V (0.4~15KW)
AC 3PH 380V-480V (0.4~22KW)

Application

Used in heavily polluted environments with heavy oil

High protection inverter, software can be customized and can be used in photovoltaic water pumps, CNC machine tools, textile industry, metal industry, etc. In harsh environments, the service life of the inverter is longer than that of ordinary inverters





QB-L100 series

QB-L100 Low voltage solar water pump VFD



- Wide range of input power supply, open circuit voltage range supports DC48V~DC110V, can be used with multiple solar panels series and parallel mode, adapt to DC48/72/96V voltage and multi-power section of solar DC submersible pump, this pump adopts permanent magnet synchronous motor, more reliable operation.

- Float control, automatic sleep of high water level of water tank, automatic stop of low water level, automatic stop of water shortage at the bottom of the well, automatic control of water level.

- Idling protection, when the float control is not used, the operation of the water pump at the bottom of the well is idling, and the pump operation is stopped after 10s to protect the dry running of the pump and affect the life.

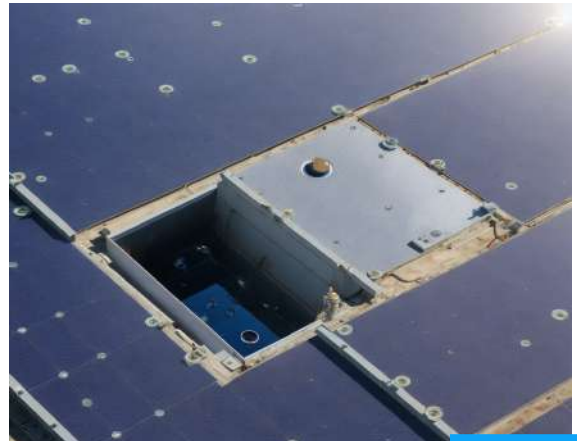
Input solar voltage range	40Vdc~130Vdc
Optimal MPPT operating voltage	48Vdc~110Vdc
Maximum output current	11.8A
Speed range	0~3000RPM
Cooling method	Air cooled
Working environment	-15~60°C
Compliance with standards	CE

Application

DC solar water pump

This product is a solar water pump controller, which mainly uses the DC electric energy converted by solar energy to drive the motor through the controller to drive the pump to run.

Using advanced MPPT technology, give full play to the power generation efficiency of the solar array, and automatically adjust the motor speed and the water output of the pump with the change of sunlight intensity



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Your trusted provider of energy and industrial control solutions

WhatsApp



Tel: 0573-86127221

Fax: 0573-86127220

Email: mike@zjqibin.com

(WhatsApp/Wechat): +86 18057369083

Address: No.528 Hedian Avenue, Qinshan Street, Haiyan County, Jiaxing City, Zhejiang Province