



MicnoElectric
高效驱动尽在迈凯诺

Company Profile

- ✧ Professional designer and manufacturer of inverter
- ✧ Listed company
Stock code: 839477
- ✧ National High-tech Enterprise
- ✧ With independent intellectual property
- ✧ Top exporter of inverter in China
- ✧ Solution provider in industrial automation & new energy



KE300A

Sensorless vector control inverter



Power range	1AC 220~240V±15% 0.4-11kW; 3AC 220~240V±15% 0.4-200kW; 3AC 380~440V±15% 0.75-1400kW; 3AC 660~690V±15% 15-1600kW
Control mode	V/F, sensorless vector control, torque control
Overload capacity	150% 60s, 180% 10s, 200% 3s
Start torque	0.5HZ / 150% (sensorless)

KE300B/X



Mini size

Power range	1AC 220~240V±15% 0.4-1.5kW; 3AC 220~240V±15% 0.4-1.5kW
Outline size	148.4*78*124.8mm (H*W*D)
Control mode	V/F, sensorless vector control, torque control
Overload capacity	150% 60s, 180% 10s, 200% 3s
Start torque	0.5HZ / 150% (sensorless)
Applications	Pump & fans, printing and packing industry and other small power applications.

KE300A-04



Single Phase Output Inverter

Power range	0.4~5.5kW
Voltage	1AC 220V input / 1AC 220V output
Cntrol mode	V/F, sensorless vector control (SVC), torque control
Applications	Pump & fans, washing industry, machine tool equipment, and some other applications which use single phase motor.

KE300A-01



*Solar Pump
Inverter*

Compatible pump	1AC 220~240V±15% 0.4-5.5kW; 3AC 220~240V±15% 0.4-11kW; 3AC 380~440V±15% 0.75-200kW
Voltage from solar panel	220V: DC350~400V 380V: DC625~700V
Solar power	1.3 * pump power
Output frequency	MPPT tracking
Special features	1: compatible both AC and DC input 2: fully automatic running 3: can be used for single phase pump 4: build-in water level control function

KE600A

Close-loop vector control inverter



Power range	3AC 220~240V±15% 1.5-90kW; 3AC 380~440V±15% 1.5-800kW; 3AC 660~690V±15% 15-1000kW
Control mode	V/F, sensorless vector control, close-loop vector control, torque control
Overload capacity	150% 60s, 180% 10s, 200% 3s
Start torque	0HZ/180% (close-loop); 0.5HZ/150% (sensorless)
Applications	Injection molding machine, simple elevator, hoisting equipment, belt conveyor, machine tool equipment, textile equipment, metalworking industry, food processing industry and other high-end applications.

MDC



Suitable Inverter	3015kW
Selection model	MDC-100-4 (380V/100A) MDC-200-4 (380V/200A)
Applications	Applications which need fast stop.

Braking Unit

I/O EXTENSION CARD OF KE600A

I/O extension card^{*1}

Model: KE600-DG-01



Used for terminal extension, can provide:

Digital input	3
Digital output	1, can used as HDO
Open collector output	1
Relay output	1 (NO/NC)
Communication port	1, Standard RS485 physical interface

MODBUS COMMUNICATION CARD OF KE600A

Communication card*1

Model:KE600-RS485-01



Used for communication terminal extension, provide 1 standard RS485 physical interface

INJECTION MOLDING MACHINE CARD OF KE600A

Injection molding
machine card¹

Model:KE600-ZS-01



Special for injection molding machine, collect & handle
pressure, flow data

DIFFERENTIAL PG CARD OF KE600A

Differential PG card¹

Model: KE600-PG-02



Used when close loop vector control. Support differential signal input & frequency division output (provide +5V power drive)

OPEN COLLECTOR PG CARD OF KE600A

OC PG card*1

Model:KE600-PG-01



Used when close loop vector control, support open collector encoder signal input & frequency division output (provide +12V power drive)

Applications

Sugar mill



Oil industry



Mining



Industrial washing machine



Water supply system



Machine tool



Petro-Pump



Wood machine



Injection Molding machine



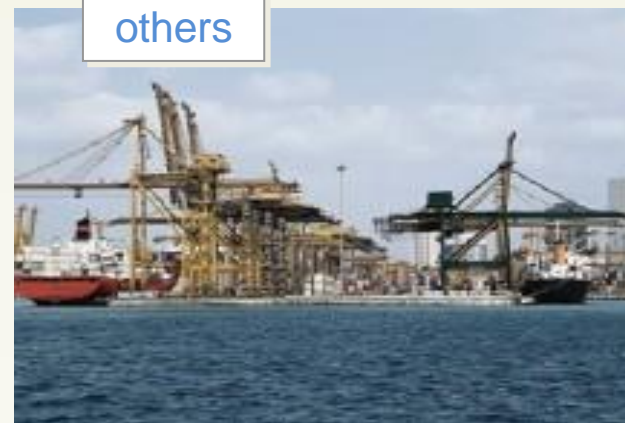
Cement industry



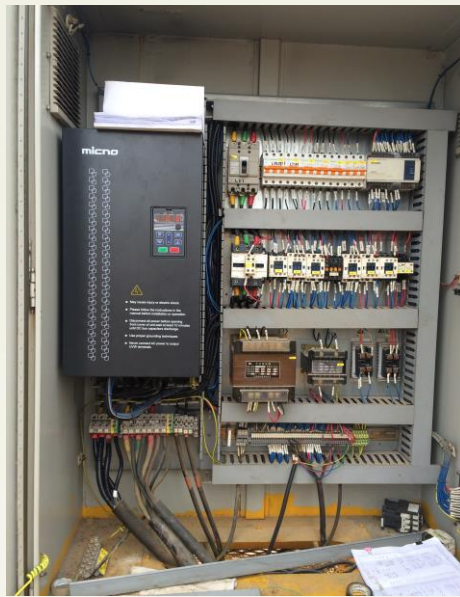
textile



others



On site Applications



Location: Huawei production base, China

Application: Tower crane

Installation time: September, 2015

Products series: KE300A

Power: 30kW

Quantity: 1 pc

System Instruction:

KE300A inverter use sensorless vector control model to control the tower crane up, down, translation and rotation.





Location: Malaysia

Application: Blower in Water Treatment Plant

Installation time: May, 2012

Products series: KE300A

Power: 110kW

Quantity: 3 pcs

System Instruction:

3 PCS KE300A series variable frequency inverters are running smoothly in the system for more than 4 years.





Location: Yongjiu Lake, Hubei province, China

Application: Water Pumping Station

Installation time: April, 2013

Products series: KE300A

Power: 55kW

Quantity: 22 pcs

System Instruction:

PID control function is widely used in the system; the stable PID control performance of KE300A series AC drive wins the customer's higher appreciation.





Location: Binzhou, Shandong province, China

Application: Water Pumping Station in Yellow River Diversion Project

Installation time: September, 2012

Products series: KE300

Power: 280kW

Quantity: 6 pcs

System Instruction:

It is a national level project, MICNO won the bidding successfully, 6 pcs of KE300 series frequency inverters running smoothly in the system for four years.



Location: Yingkou, Liaoning province, China

Application: Petrochemical Equipment

Installation time: August, 2013

Products series: KE300A

Power: 22kW, 37kW, 55kW

Quantity: 26 pcs

System Instruction:

In this project, KE300A is widely used on water treatment system, air compressor, emulsifying equipment etc.



IGBT

Inside of MICNO drives



&



CPU



Cooling fan









$<55\text{kW}$



$\geq 55\text{kW}$



Others

Key component	Manufacturer
Electronic materials	Japanese  & Japanese 
Optocoupler	 & 
Hall sensor	Japanese 
Capacitors	 (World-class brand in China)



Pass

R&D test

IQC

PCB test

Aging test

Loading test

Market proved products



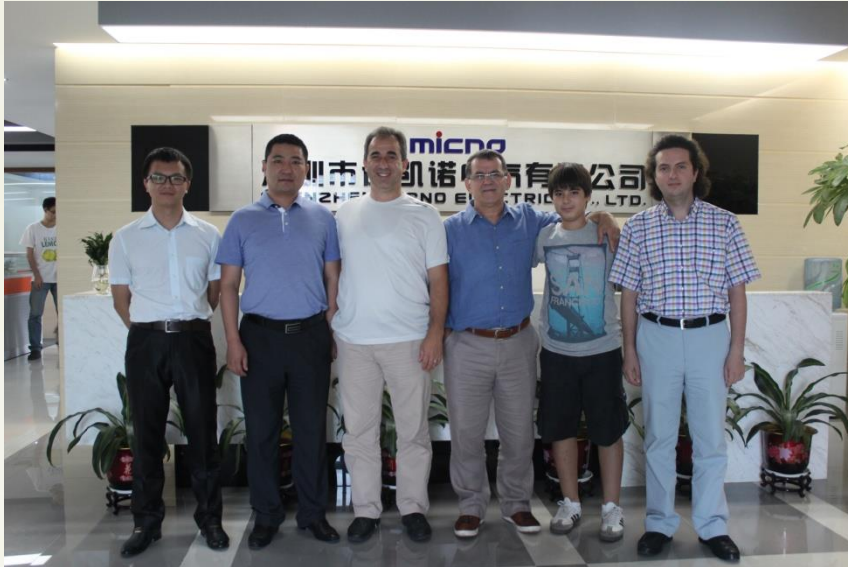
Exported to more than **70** countries worldwide, running stably.



According to our statistics, the total failure ratio is less than **1%**



Our drives are accepted by high-end markets like **Turkey, Russia, South Africa, USA, Australia, Italy** etc.



Turkey partner

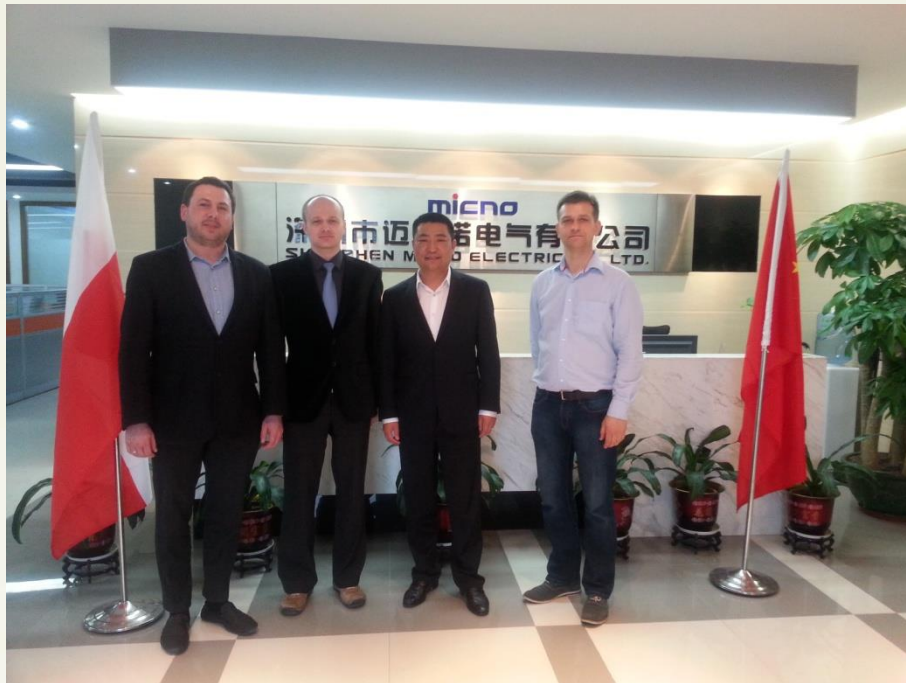
Malaysia and Thailand partners



Thailand partner in 2014

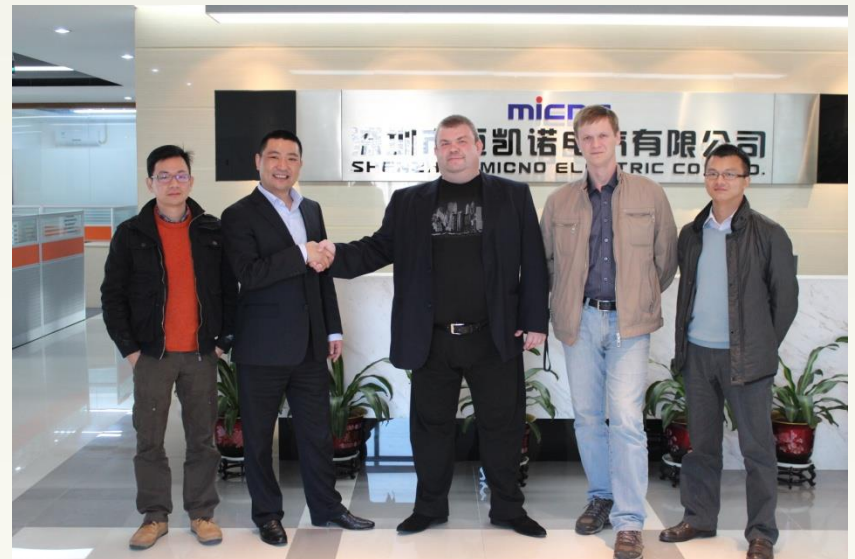


Indonesia partner in 2013



Poland distributor in 2014

Russian partner in 2012



South African agent in 2012



Cuba partner in 2015

Production Capacity

0.4~75kW
6000 sets monthly;

Others
1000 sets monthly

Lead Time

500 sets within
7days;

More than 500
sets within 15
days

Customized Design

MICNO provides
customized
design for special
applications or
requirements



micno is ready!