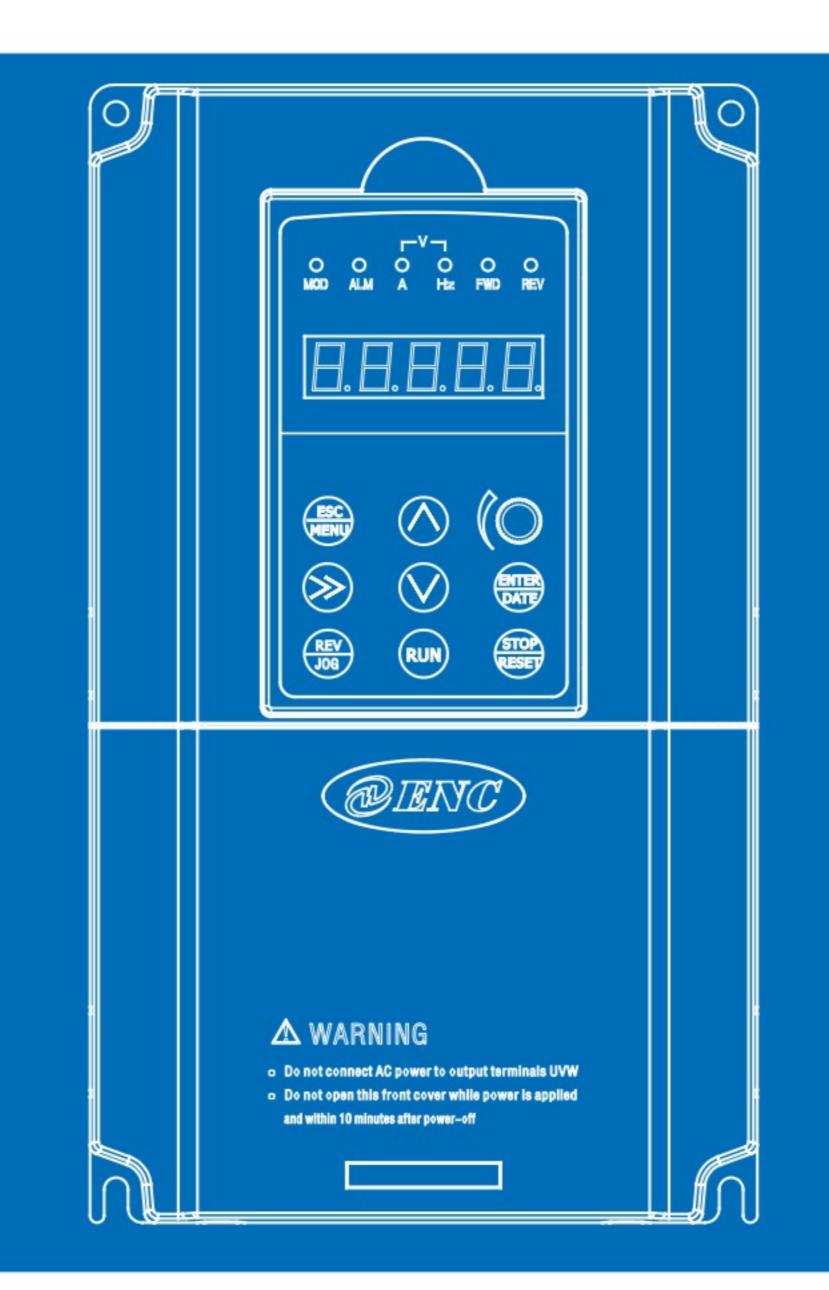


# SHENZHEN ENCOMELECTRIC TECHNOLOGIES CO., LTD.



CHINA SHENZHEN

# Inverter products

#### Shenzhen Encom Electric Technologies CO.,LTD.

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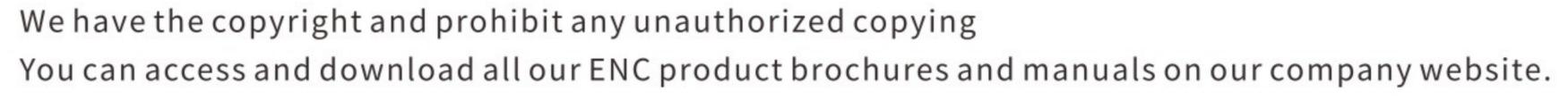
















- Low voltage frequency converter Top ten domestic brands
- **♦ Shenzhen's Specializedand** Sophisticated SMEs
- **Adhere to ingenuity and** focus Nineteen years in the industrial control industry
- The most valuable brand in the field of motion control
- National Innovation Fund & Shenzhen Strategic Emerging Industry Fund Support Enterprises
- Serving more than 50 countries and regions around the world

# Company overview

Shenzhen ENCOM Electric Technologies Co., Ltd. is a national high-tech enterprise with independent intellectual property rights, focusing on product R&D, production and sales in the field of industrial automation, we strive to become a respected leader in the field of industrial control. Currently, we provide professional products and solutions for domestic and foreign intelligent manufacturing, lifting, machine tools, metal products, wires and cables, plastics, printing and packaging, textile and chemical fibers, building materials, metallurgy, municipal administration, new energy and other fields. We has established more than 30 branches and hundreds of dealer service outlets in China, and our products are exported to more than 50 countries overseas and gain the trust and recognition of our customers and users.

ENCOM was founded in 2004. After more than ten years of stable development, ENCOM has passed the EU CE certification and ISO9001:2015 quality management system certification, won the National Innovation Fund, Shenzhen Strategic Emerging Industry Fund, Shenzhen High-tech Research Subsidy, Product Innovation Award, Most Investment Value Award and other honors. ENCOM is also a national high-tech enterprise, a Shenzhen software enterprise, a member of the Shenzhen Information Software Association, a director and important member of many industry organizations, continue re-elected the "Top Ten Domestic Brands of Low Voltage Inverters" for many times.

ENCOM Shenshan High-tech Industrial Park is located in Shenshan Special Cooperation Zone, the total area of the park is 38000 square meters, the total investment exceeds 100 million yuan, the annual output of industrial control products can reach 500,000 units. The park has established a multi-drive frequency conversion technology research laboratory authorized by the Shenzhen Municipal Development and Reform Commission, which mainly conducts research on multidrive frequency conversion control technology, high-speed bus communication technology, and electric vehicle drive technology. We are committed to providing customers with better industrial control systems and product solutions, fully promoting the sustainable development of ENCOM, and achieving the common growth of corporate value and customer value.

# Enterprise history

- Encom's 20th anniversary, Won the "CMCD 2024 User Satisfaction Brand in the Motion Control Field"
- Won the title of "Specialized and sophisticated enterprises that produce novel and unique products" Enterprise in Shenzhen City Launched new book-type inverter EN750 series
- Encom has been established for 18 years and won the "CMCD 2022 Most Competitive Brand Award in the Field of Motion Control"
- Won the "CMCD 2021 User Satisfaction Brand in the Motion Control Field". Launched the new ENA101 industrial fan controller EDS730 series special frequency converter for riveting machines. EDS730D series terminal machine special frequency converter
- Won the "CMCD2020 Most Competitive Brand Award in the Field of Motion Control"
  - Launched the new ENA100 series two-in-one drive inverter
- Encom has been established for 15 years, and the Shenshan base has been officially put into production Launched four new series of products EN550, EN655, EN650B, ESS200N Won the "2019 Top Ten Domestic Brands of Inverter Award". Won the "2019 User Satisfaction Brand" Won the "China Energy Saving Product Technology Award"
- Encom Shenshan High-tech Industrial Park officially opened, and the production base of Energy industrial control products was officially put into operation Encom transmission laboratory officially put into use
- Encom Shenshan production base was completed, and the plant was expanded to 38,000 square meters Launched the high-end product EN700 intelligent inverter
- Encom Shenshan production base construction project started Won the "Top Ten Domestic Brands of Inverter" for 6 consecutive years
- Completed the shareholding system restructuring and changed its name to "Shenzhen Eneng Electric Technology Co., Ltd." Encom was approved to establish "Shenzhen Inverter Engineering Laboratory" Won the special fund for Shenzhen's strategic emerging industries and future industrial development
- "Intelligent Tracking Photovoltaic Frequency Conversion Controller" scientific research project passed the acceptance and launched the first generation of servo products
  - Won the national high-tech enterprise Passed IS09001: 2008 quality management system certification
    - Won the special fund for the development of strategic emerging industries in Shenzhen

Encom expanded its scale again and completed the second transformation

- Passed the international SGS review certification
- Join the member unit of "Shenzhen Software Industry Association".
- Headquarters moved to Shenzhen University City Silicon Valley Pioneer Park and expanded the scale of production base.
- Become a "Shenzhen High-tech Enterprise"
  - Passed the IS09001:2000 quality management system certification, the products passed the EU CE certification, Won the National Innovation Fund and Shenzhen Scientific Research Grant.
  - Shenzhen Encom Electric Technologies Co., Ltd. was established and was identified as "Shenzhen Double Soft Enterprise".

































# Product model description

EN600	4	T	0110	G	/B
1	2	3	4	5	6

① Product series EDS800: Mini inverter EN500/600: High performance vector inverter EN700: Intelligent inverter	②Voltage level 2:220V 4:380V 7:690V
3 Input voltage T:three phase S:single phase	4 Adapted motor power 0002:0.2KW 0004:0.4KW 0007:0.75KW 0015:1.5KW 6300:630KW
⑤ Inverter type G:Constant torque universal P:For fans and pumps	6braking unit Empty: No braking unit B: with brake unit

# Main series product analysis table

Product Series	EDS800	EN500/600	EN750
Product positioning	Mini inverter	High performance vector inverter	High performance vector inverter
Power	220V:0.2-2.2KW 380V:0.75-3.7KW	220V:0.2-3.7KW 380V:0.75-1000KW 690V:11-1000KW	220V:0.4-2.2KW 380V:0.7-90KW
Control mode	V/F	V/F open loop vector closed loop vector	SVC control, FVC control, V/F control
keyboard display	Single display LED	Single display LED, dual display LED, LCD	The standard keyboard does not have a knob, the small keyboard does not support uploading and downloading, and the dual-display large keyboard supports uploading and downloading.
Featured design	Small size, high power density	Powerful communication function, support hold V/F, open loop vector, close loop vector control	Book-style design, supports side-by-side installation; dual expansion card slot design, PG card and bus expansion card can be used at the same time (2.2KW and above models) to support asynchronous motor and synchronous motor speed, torque and position control.
Applications	Fans, water pumps, feeders, food machinery, conveyor belts, refrigeration and other equipment	Fans, water pumps, air compressors, feeders, plastic machinery, sewage treatment, building materials, buildings, steel, glass, power generation and other equipment.	Lifting, papermaking, metal processing, textiles, machine tools and various automated production equipment drives.

EDS800 series Mini inverter	P05
EDS820 series Mini inverter	<b>P06</b>
ENA100 series General purpose vector inverter	<b>P08</b>
EN500/600 series High performance vector inverter	P12
EN750 series High performance vector inverter	P18
EN600PV series Photovoltaic water pump inverter	<b>P22</b>



#### EDS800 series Mini inverter

#### Product advantages

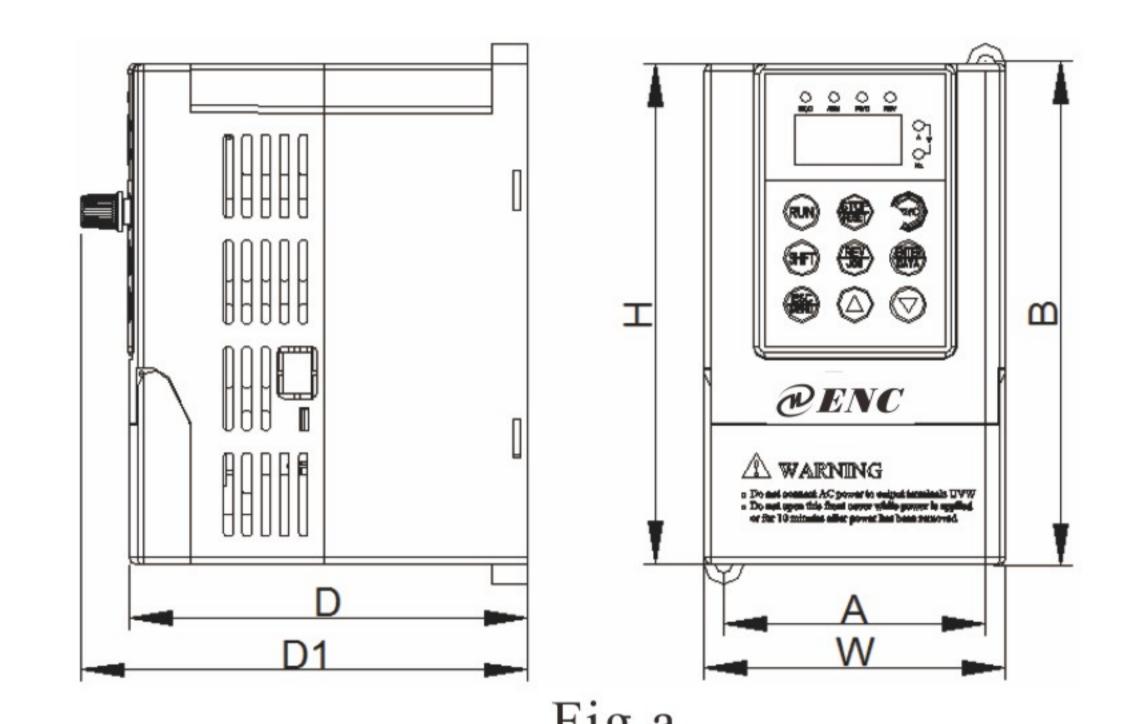
- Small in size, the width is only 8.9cm, the height is 14.85cm, and the depth is 11.25cm.
- > Stage speed control, with speed regulating potentiometer, the panel can be connected externally.
- > The standard RS485 interface can independently form a frequency converter network, and the frequency converter can be set as a master or a slave.
- > Pulse/analog input and output channels and various operating frequency/command given channels.
- > Part or all of the keys can be locked (the analog potentiometer has no lock).
- > With isolated relay output terminal, it can be connected with 220VAC/0.5A AC or DC load.
- > With the function of textile swing frequency, it can be widely used in various textile equipment.
- Built-in User Timer/Counter.

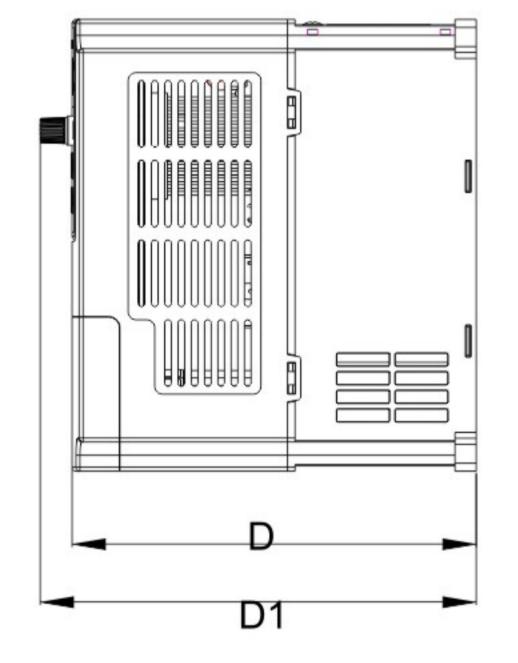


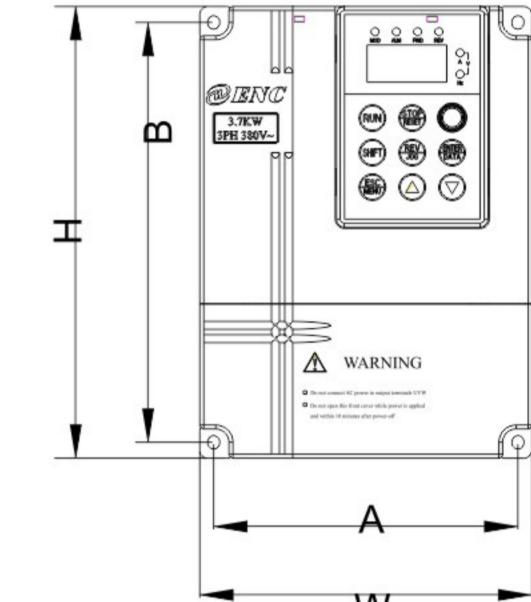
# Applicable industry

Widely used in metal processing, printing equipment, textile, food machinery, color steel tile, refrigeration and other fields

#### Dimensions and gross weight







#### Installation size

Inverter Model	W (mm)	H (mm)	(mm)	(D1 (mm)	(Mm)	(mm)	Mounting Aperture (mm)	Gross Weight (Kg)	Drawing number
EDS800-2S0002NB			48.5 112.5 124.7 74 138 5				1	Fig.a	
EDS800-2S0004NB	0.0	140 =		124. 7	77.4	100	5	1	Fig.a
EDS800-2S0007NB	89	148.5			74	138		1. 1	Fig.a
EDS800-2S0015NB								1.2	Fig.a
EDS800-2S0022NB	125	170	152. 1	164. 1	114.5	158	5	1.9	Fig.b
EDS800-4T0007NB	0.0	140 E	112. 5	124. 7	7.4	138	5	1. 1	Fig.a
EDS800-4T0015NB	89	148.5			74			1. 1	Fig.a
EDS800-4T0022N	105	4 = 0	152. 1	164 1	11 <i>1</i> E	150	_	1.9	Fig.b
EDS800-4T0037N	125	170		164. 1	114. 5	158	5	1.9	Fig.b



#### EDS820 series Mini inverter

#### Product advantages

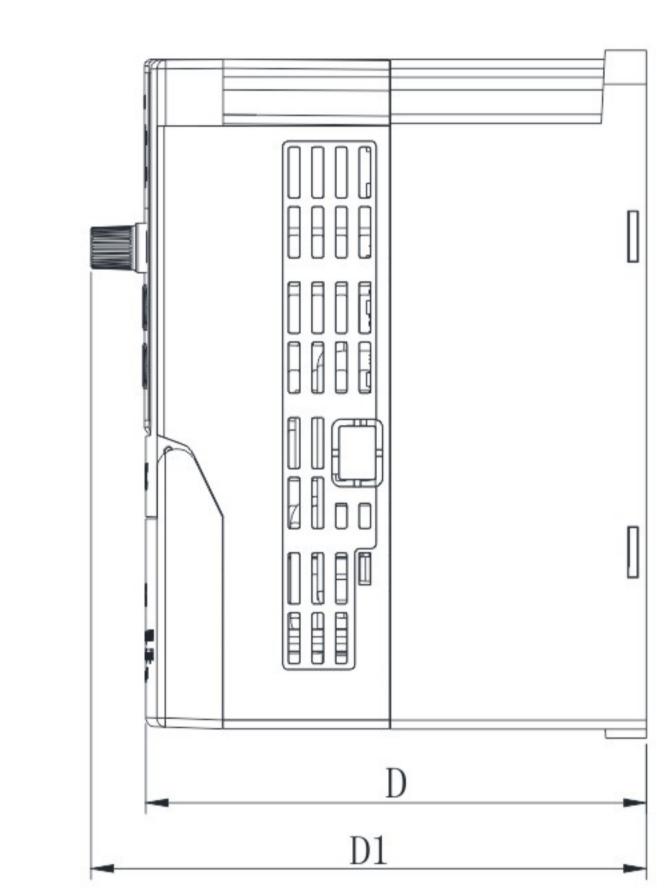
- More compact size, the smallest model supports 4T-2.2KW.
- > Parameter copy function, support parameter copy(EN-LED5-D).
- > Optimized heat dissipation structure, some models have lower fan noise.
- > Power modules all use full-module scheme design.
- The accuracy of analog value VCl and CCl is improved to 1/4000.
- The capacitance capacity of many models has increased by more than 20%.
- Enhanced braking ability, the capacity of the energy-consuming brake tube is increased, allowing external resistors with smaller resistances to be connected.
- Strong deceleration performance, adopt optimized braking algorithm.
- More torque at low speed, uses high-precision current sensors to support asynchronous motor flux vector control.
- Enhanced reliability and immunity, the external terminal ground COM is isolated from the digital GND.
- The system is more energy efficient, support P+P-common bus wiring.
- Wiring is more convenient, full-power built-in braking unit, the braking interface is led out from the front. The main circuit adopts European terminals.

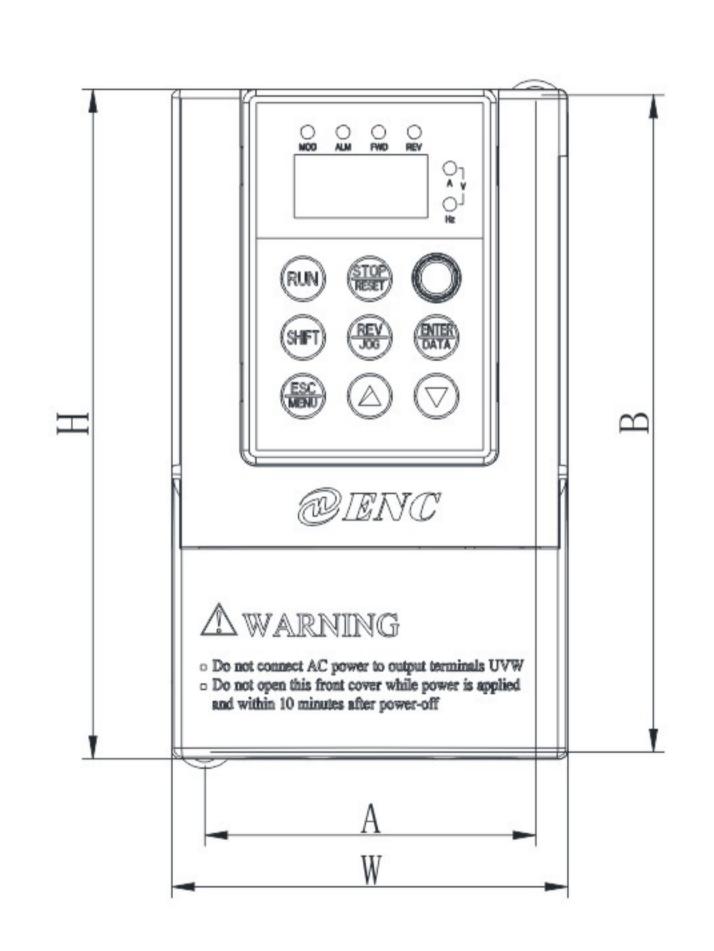


# Applicable industry

Widely used in metal processing, printing equipment, textile, food machinery and other fields.

### Dimensions and gross weight





#### Installation size

Inverter Model	(mm)	(mm)	D (mm)	D1 (mm)	(mm)	(mm)	Mounting Aperture (mm)
EDS820-2S0002B							
EDS820-2S0004B							
EDS820-2S0007B							
EDS820-2S0015B	89	148.5	112.5	124.7	74	138	5
EDS820-4T0007B							
EDS820-4T0015B							
EDS820-4T0022B							

#### EDS820 series Product technical indicators and specifications

	Ite	m	Item description				
	Rated vo	ltage, frequency	3 phase 380V, 50Hz/60Hz 1 phase 220V, 50Hz/60Hz				
Input	А	llowed lt. range	3 phase volt:320~460V 1 phase volt:200~260V				
0		Volt.	380 Grade:0~380V 220 Grade:0~220V				
utp	Fr	equency	0~500Hz				
t	Over loading capacity		150% rated current for 1 minute, 200% rated current for 0.5 seconds.				
	Cor	ntrol mode	<ol> <li>Optimal space voltage vector SVPWM constant voltage frequency ratio V/F control</li> <li>Open-loop flux vector control</li> </ol>				
	Speed regulation range		1:100				
	Start-up torque		Up to 150% of rated torque at low frequency				
	Running speed	,Steady state accuracy	≤±0.5% rated synchronous speed				
	Freque	ncy accuracy	Digital setting: maximum frequency $\times \pm 0.01\%$ ; analog setting: maximum frequency $\times \pm 0.5\%$				
	Frequency	Simulation settings	0.1% of the highest frequency				
	resolution		0.01Hz				
Co		External pulse	0.5% of the highest frequency				
ntr	Tord	que boost	Automatic torque increase, manual torque increase 0.1~30.0%				
ol pe	V/F curve ( frequency	volt. characteristics)	The rated frequency can be set arbitrarily between 5Hz ~ 500Hz, and four types of curves can be selected: constant torque, decreasing torque 1, decreasing torque 2, and decreasing torque 3, a total of 4 types of curves.				
rforma		ration and ration curve	Two methods: linear acceleration and deceleration and S-curve acceleration and deceleration; seven acceleration and deceleration times, time unit (minutes/seconds) optional, up to 6000 minutes				
nce	Brake Energy consumption braking  DC braking		braking				
			The start and stop actions are respectively selectable, the action frequency is 0~15Hz, the action voltage is 0~15%, and the action time is 0~20.0 seconds.				
	Jog		Jog frequency range:0.50Hz∼200.00Hz; The jog acceleration and deceleration time can be set from 0.1 to 60.0 seconds.				
	Multi-speed operation		Realize multi-speed operation through built-in PLC or control terminal				
	Built-in PID controller		Can easily form a closed-loop control system				
	Automatic	volt.Adjust(AVR)	When the grid voltage changes, it can automatically keep the output voltage constant				
	Automatic current limit		Automatically limit the current during operation to prevent frequent overcurrent fault tripping				
	Run commar	nd on given channel	Operation keyboard setting, control terminal setting, serial port setting				
Run fu	Running frequ	uency given channel	Digital setting, analog setting, pulse setting, serial port setting, combined setting, can be switched at any time through a variety of methods				
inctio	Pulse ou	ıtput channel	0~20KHz pulse square wave signal output, which can realize the output of physical quantities such as set frequency and output frequency.  1 channel analog signal output channel, of which the AO channel can be selected from 0 to				
n	Analogo	utput channel	20mA or 0 to 10V, which can realize the output of physical quantities such as set frequency and output frequency.				
Keypad	LEC	display	Can display 14 parameters such as set frequency, output frequency, output voltage, output current, etc.				
	Butt	on locked	Achieve partial or complete locking of buttons (analog potentiometer has no locking)				
	Protective	function	Over-current protection, over-voltage protection, under-voltage protection, over-heating protection, over-load protection, phase loss protection, rapid current limiting, etc.				
	Optionalac	cessories	Braking components, remote control keyboard, remote control keyboard connecting cable, etc.				
	Appli	cation site	Indoors, away from direct sunlight, no dust, corrosive gases, flammable gases, oil mist, water vapor, dripping water or salt, etc.				
Envi	A	ltitude	Below 1000 meters				
iron	Ambient	ttemperature	-10°C~+40°C(The ambient temperature is between 40°C and 50°C, please reduce the volume or enhance heat dissipation.)				
me	Ambie	nt humidity	Less than 95%RH, no drop condensation				
ent	Vi	bration	Less than 5.9 M/S <sup>2</sup> (0.6g)				
	Storage	temperature	-40°C~+70°C				
Structure	Prote	ection level	Ip20				
	Installation	method	Wall-mounted				





# ENA100 series General purpose vector inverter

#### Product advantages

- > Covering sensorless magnetic flux vector control and optimized V/F control, with two modes of speed control and torque control.
- > Adopting excellent magnetic flux vector control algorithm, high control precision, fast speed response, and excellent low-frequency characteristics,±0.3% rated synchronous speed (vector control without PG);  $\pm 1\%$  rated synchronous speed (V/F control).
- Excellent application macro function, can drive synchronous and asynchronous motors, strong environmental adaptability 50°C without derating, support dual keyboard display, local and remote control keyboards can be used at the same time, small size, high cost performance.
- Power-on short circuit detection, input and output phase loss protection, overcurrent protection, undervoltage protection, overheat protection, overload protection, underload protection, terminal protection, power failure non-stop protection, PID disconnection protection, water shortage protection, etc.



No derating required for 50°C ambient temperature in heavy duty mode

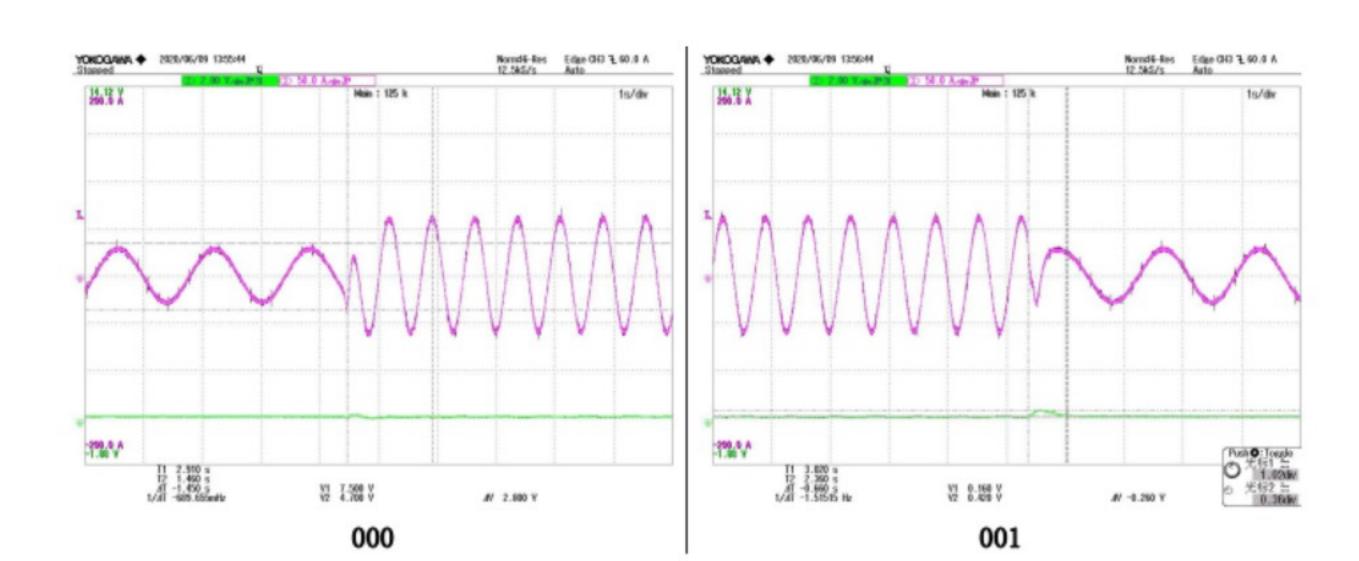




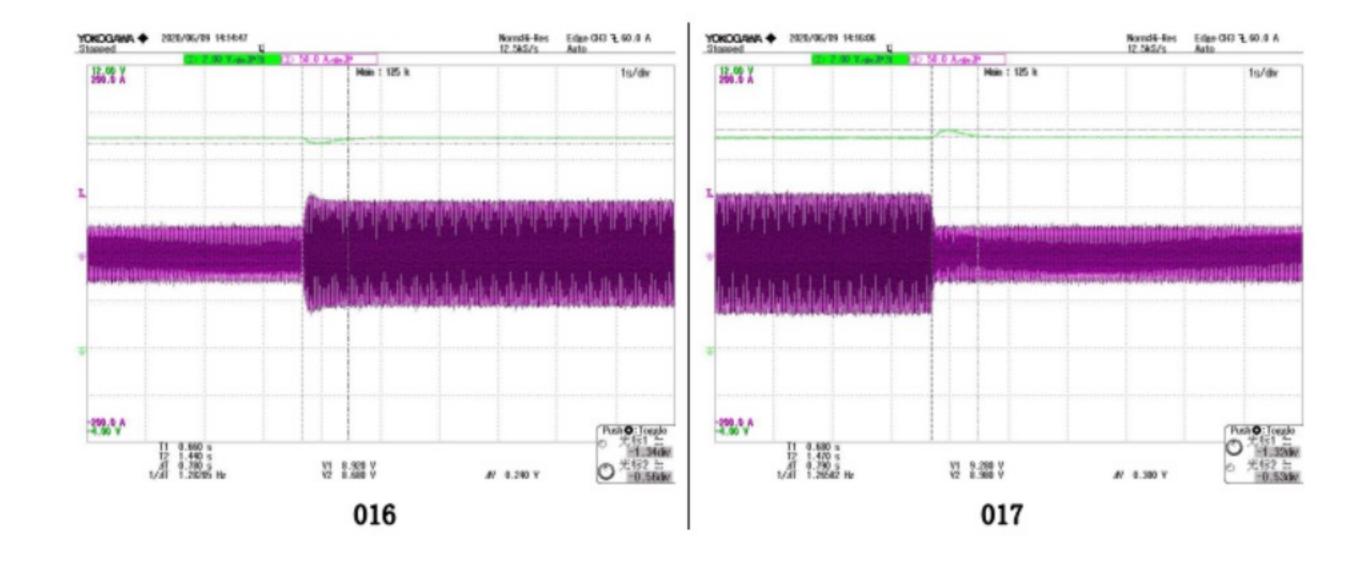
#### High level of dynamic response

- > Torque response: W20ms (no PG vector control)
- > Starting torque: 1.0Hz, 150% rated torque (V/F control) 0.5Hz up to 180% torque (no PG open loop vector)
- > Control accuracy: ± 1% rated synchronous speed (V/F control) ±0.3% rated synchronous speed (no PG vector control)

#### 22KW electric status is as follows:







60Hz Sudden loading and unloading

# Applicable industry

It is widely used in metal processing, plastic machinery, CNC machine tools, printing equipment, printing and dyeing industry, municipal engineering, water supply engineering, sewage treatment, etc. In addition, it is used in textile, refrigeration, cement, ceramics, stone processing and other fields are also widely used.

# Structural optimization design

#### Power segment difference:

Previous general series power section:0.4KW~55KW ENA100 power section:0.4KW~160KW

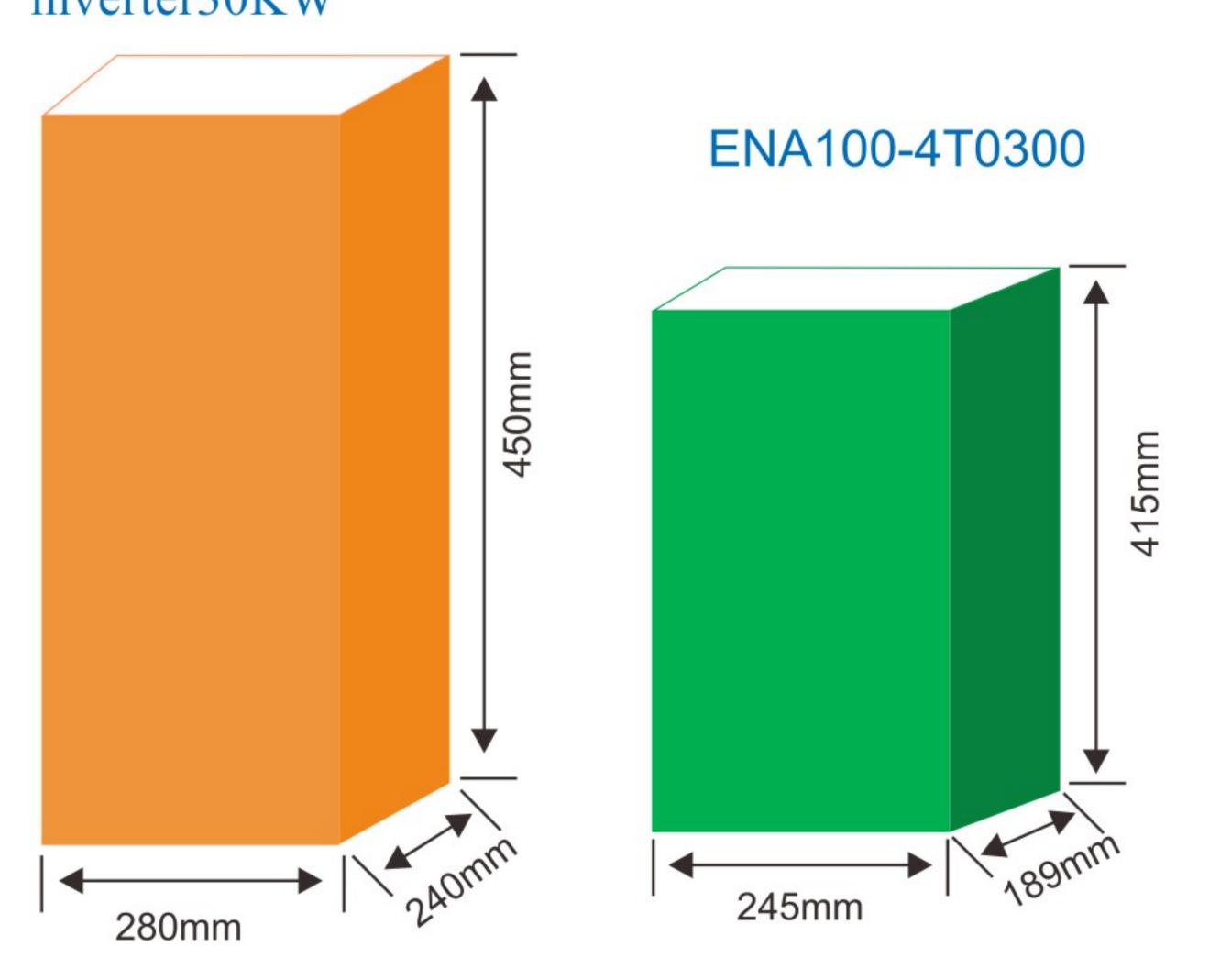
#### braking unit: Previous general series:

Three phase 380V,0.75KW~15KW built-in braking unit Three phase 380V,18.5KW~55KW Optional built-in braking unit

#### ENA100 Series:

Single phase 220V,0.4KW~2.2KW built-in braking unit Three phase 380V,0.75KW~22KW built-in braking unit Three phase 380V,30KW~160KW Optional built-in braking unit

#### Conventional general-purpose inverter30KW



For example, the volume of ENA100 series 30KW is about 36% smaller than that of the previous general-purpose series of 30kW with the same power.

#### Two in one drive

- Motor type: can drive synchronous motor and asynchronous motor.
- > Convenient stocking, effectively shorten the life cycle of the storage machine.



#### Convenient and practical keyboard

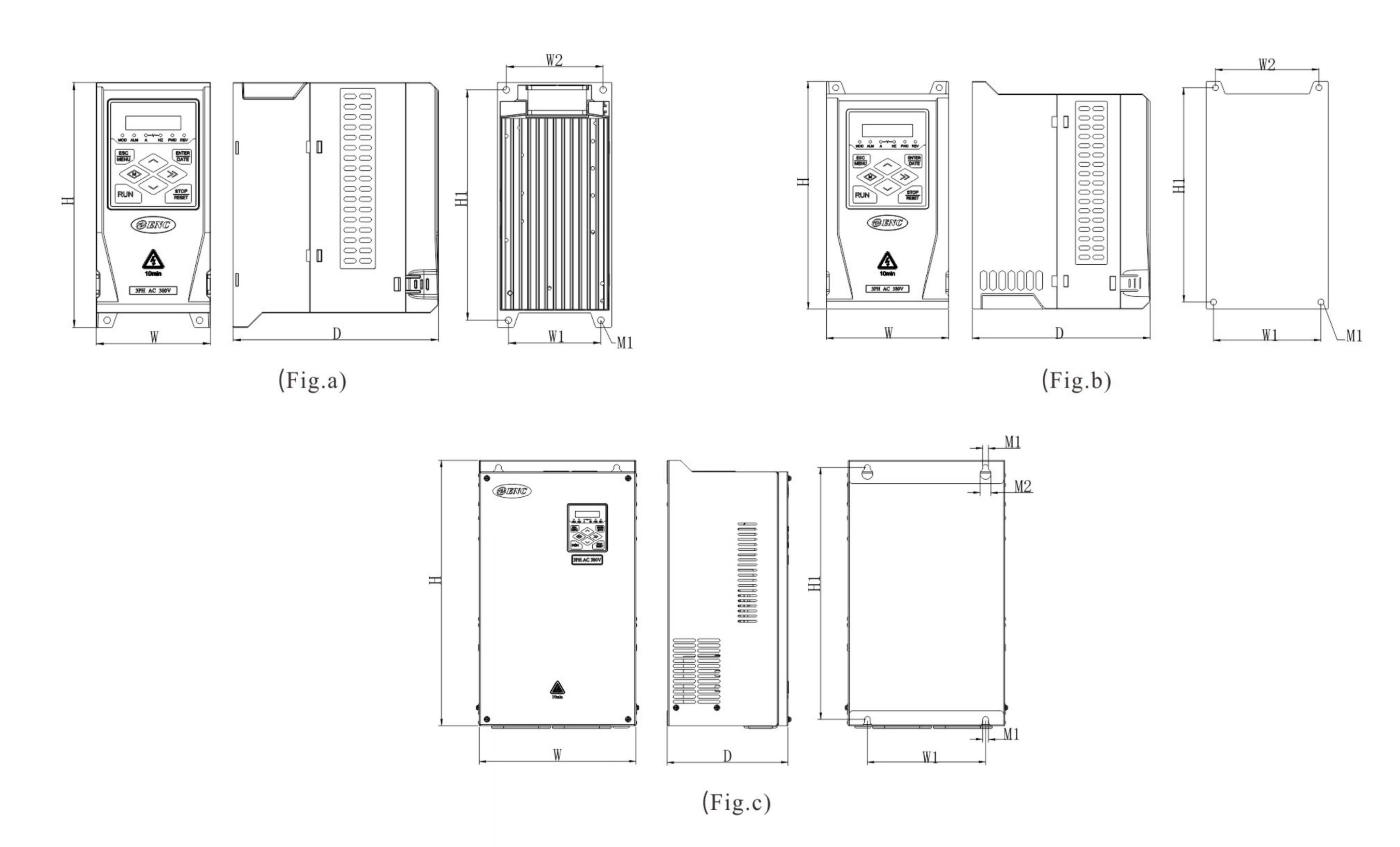
- > Support dual keyboard display
- > Support local keyboard and external keyboard to use at the same time
- > External keyboard can realize parameter upload and download function
- The local keyboard and the external keyboard of the traditional frequency converter can only be used by selecting 1 from 2, while the ENA100 local keyboard and the external keyboard can be used at the same time.





ENA100 Simultaneous use of local and external keyboards

#### Installation size



Inverter model	H (mm)	H1 (mm)	W (mm)	W1 (mm)	W2 (mm)	(mm)	(M1 (mm)	(M2 (mm)	图号
ENA100-2S0004B ENA100-2S0007B	167	157	78	63	66	140	ф4.5	_	Fig.a
ENA100-2S0015B ENA100-2S0022B	171.5	161.5	92	81	78	134	ф4.5	_	Fig.b
ENA100-4T0007H/0015LB ENA100-4T0015H/0022LB	167	157	78	63	66	140	ф4.5	_	Fig.a
ENA100-4T0022H/0037LB ENA100-4T0037H/0055LB	171.5	161.5	92	81	78	134	ф4.5	_	Fig.b
ENA100-4T0055H/0075LB ENA100-4T0075H/0110LB	229	217	120	105	108	162	ф5.5	_	Fig.b
ENA100-4T0110H/0150LB ENA100-4T0150H/0185LB	291	276	160	144	141	180. 5	Ф6	_	Fig.b
ENA100-4T0185H/0220LB ENA100-4T0220H/0300LB	291	276	190	174	171	180	Ф 6. 5	_	Fig.b
ENA100-4T0300H/0370L ENA100-4T0370H/0450L	415	394	245	185	-	189	ф9	ф 17	Fig.c
ENA100-4T0450H/0550L ENA100-4T0550H/0750L	482	466	290	210		210	ф9	ф 17	Fig.c
ENA100-4T0750H/0900L ENA100-4T0900H/1100L ENA100-4T1100H/1320L	482 610	466 595	333	220 255	_	205 290	ф9 Ф9	ф 17 Ф 14	Fig.c Fig.c
ENA100-4T1320H/1600L ENA100-4T1600H/1850L	730	698	400	280		290	Ф13	Ф 25	Fig.c

Note: ("B" means built-in braking unit, "H" means heavy load, "L" means light load. This information is for reference only, please refer to the instruction manual. If there is any change in the product, no further notice will be given)

# PENC

# ENA100 series Product technical indicators and specifications

	It	ems	Item description
	Rated voltage, frequency cable		Single-phase 220-volt level: single-phase 220V,50Hz/60Hz Three-phase 380-volt class: three-phase 380V,50Hz/60Hz
Input	Allowable v	oltage fluctuation range	Single-phase 220-volt level:200~260V Three-phase 380-volt class:320~460V
		Voltage	0~Input voltage
Output		Frequency	0~600Hz
		erload capacity	Heavy-duty model: 150% rated current for 1 minute Light load model: 120% rated current for 1 minute
	Co	ontrol method	No PG vector control, open loop V/F control, no PG torque control, support synchronous and asynchronous motors
	Speed	control accuracy	±0.3% rated synchronous speed (no PG vector control) ±1% rated synchronous speed (V/F control)
		Speed range	1:100(No PG vector control 1:50(V/F control)
C	Starting torque		1.0Hz: 150% rated torque (V/F control) 0.5Hz: 180% rated torque (no PG vector control)
d	Speed fluctuation	±0.3% rated synchronous speed (no PG vector control)	
erformance	Torque response  Frequency accuracy		≤20ms(No PG vector control)
lce			Digital setting: maximum frequency $\times \pm 0.01\%$ ; analog setting: maximum frequency $\times \pm 0.5\%$
	Eraguanav	Simulation setting	0.1% of the highest frequency
	Frequency Resolution	Digital setting accuracy	0.01Hz
		External pulse	0.1% of the highest frequency
		Torque boost	Automatic torque boost; manual torque boost 0.1~12.0%
		Energy braking	ENA100 series three-phase 22KW and below power section has a built-in braking unit, just add braking resistor between (+) and PB; 30KW and above can connect external braking unit between (+) and (-) to realize energy consumption braking
	Brake	DC braking	The start and stop actions are optional, the action frequency is 0-15Hz, the action current is 0-100% of the rated current, and the action time is 0-30.0s
Inpu	Digi	tal input channel	5 general-purpose digital input channels, the maximum frequency is 1KHz, one of which can be used as a pulse input channel, the maximum input is 20KHz
it and or	Anal	log input channel	2 analog input channels, AI1 is 0~10V output, AI2 channel is 0~20mA or 0~10V input optional
ıtput cha	Puls	e output channel	$0.1 \sim 20 KHz$ pulse square wave signal output, it can realize the output of physical quantities such as set frequency and output frequency.
racterist	Analo	og output channel	1 channel analog signal output, AO1 channel can choose $0\sim20$ mA or $0\sim10$ V to realize the output of physical quantities such as set frequency and output frequency
ics	Ι	Digital output	2 channels of Y output, among which Y2 can achieve the highest frequency output of 20K, 1 channel of Rel output
	Dual keyb	oard control	Dual-keyboard control (local and remote control) can be achieved using an external keyboard



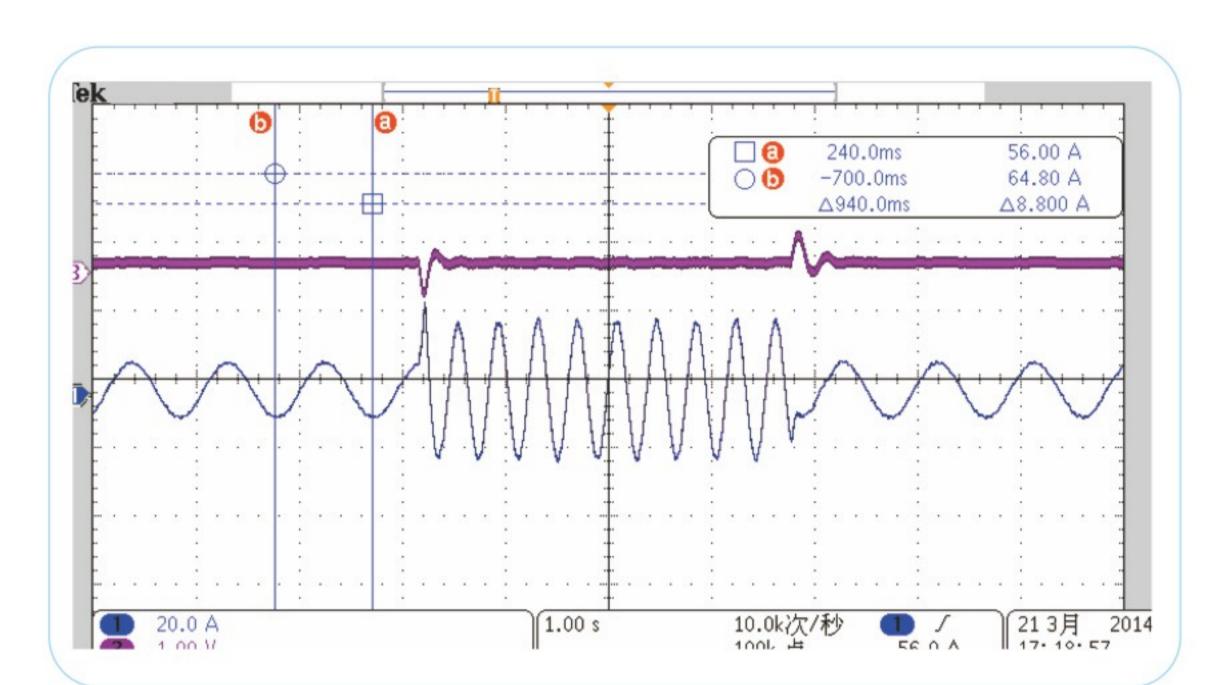
# EN500/EN600 series High performance vector inverter

#### Product advantages

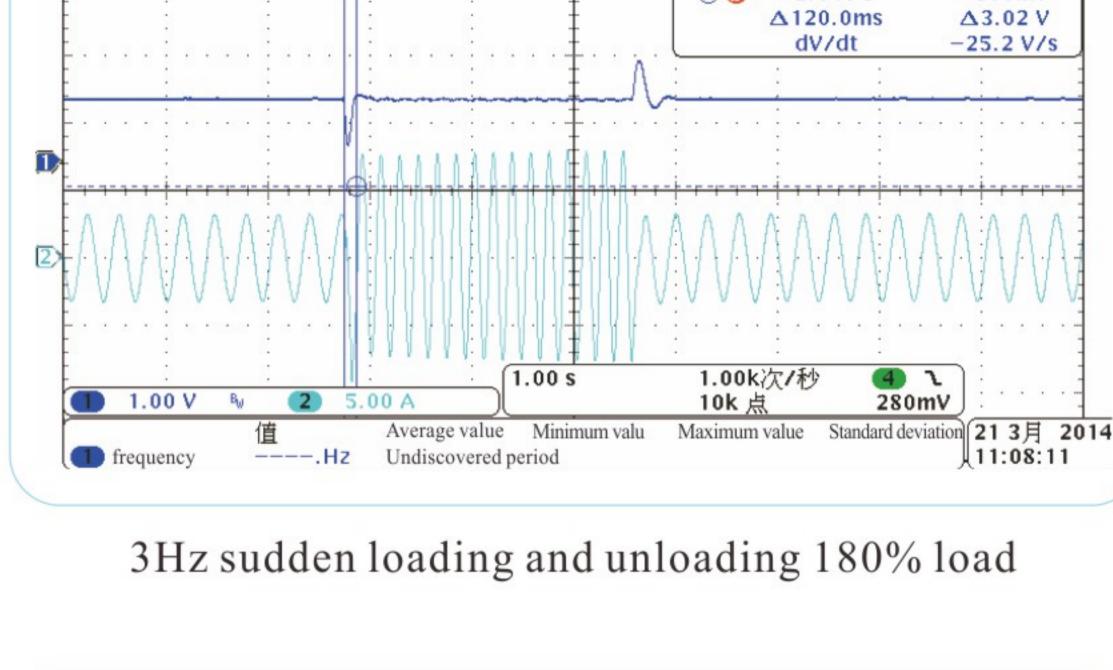
- Various and flexible control modes, covering sensorless magnetic flux vector control, closed-loop vector control, Optimized V/F control, with two modes of speed control and torque control; applicable to various application requirements.
- Excellent magnetic flux vector control algorithm is adopted to make the inverter control with high precision, fast speed response and low frequency excellent features.
- $\rightarrow$  High accuracy of speed control,  $\pm 0.5\%$  of rated synchronous speed (vector control without PG); ±0.1% of rated synchronous speed (with PG vector control); ±1% rated synchronous speed (V/F control).
- Self-learning function, speed tracking, more precise and flexible control.
- Compact structure, high power density, easy installation, high cost performance.
- Abundant peripheral expansion functions to realize bus expansion terminals, relays, and analog expansion.
- Support CANOpen, CANLink, Profibus, Modubus, Ether CAT, Profinet, free protocol, easy bus control.
- Support local LED single display, dual display keyboard, local LCD keyboard, remote LCD keyboard.
- Intelligent protection and detection, with input phase loss protection, output phase loss protection, output short circuit between phases protection, output to ground protection function.

# ▲ WARNING \* Do not connect AC power to output terminals UVW \* Do not open this front cover while power is applied and within 10 minutes after power-off

#### High level of dynamic response

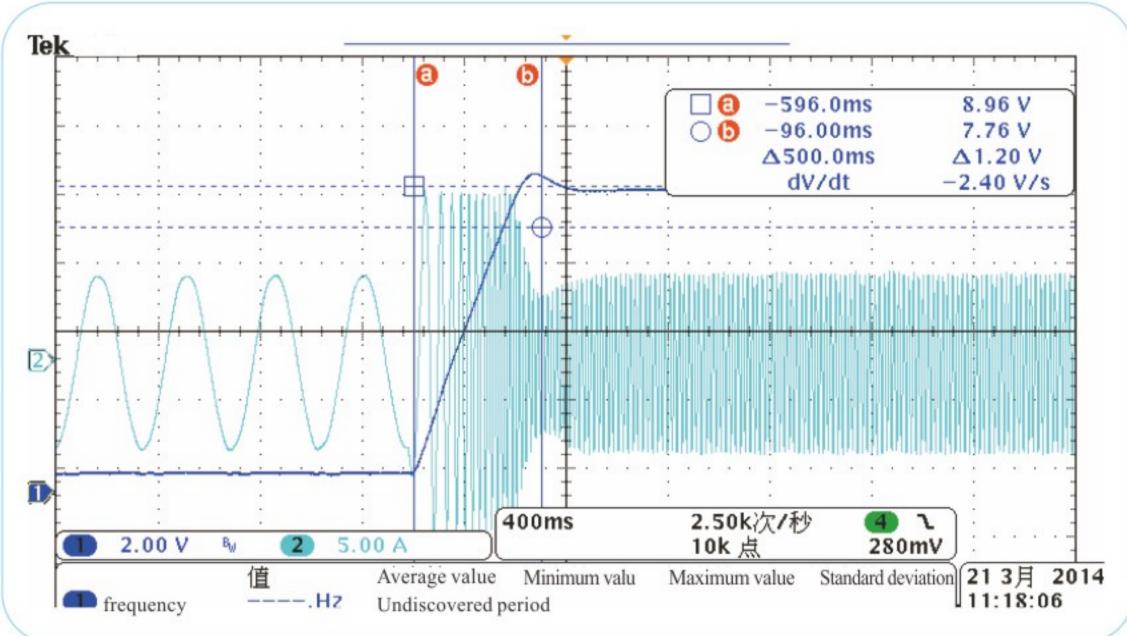


1Hz sudden loading and unloading 100% load



dV/dt 400ms 2.50k次/秒 4 1
Nerage value Minimum valu Maximum value Standard deviation 21 3月 2014 11:11:21

50Hz Sudden loading and unloading of 150% load



Rapid acceleration to 50Hz at 100% load

# Applicable industry

Suitable for metal processing, plastic machinery, power generation, tempered glass, heating, oil exploration, metallurgy, building materials, papermaking, municipal engineering, ships, water supply engineering, sewage treatment, textiles, refrigeration, automated buildings, cement, ceramics, etc.

# Performance advantage

#### □ Velocity vector model

Fast response speed and large low-frequency torque

# Torque vector mode

Output adjustable torque Open loop torque accuracy ±10% rated torque Closed loop torque accuracy ±5% rated torque Open loop torque response ≤20ms Closed loop torque response ≤10ms

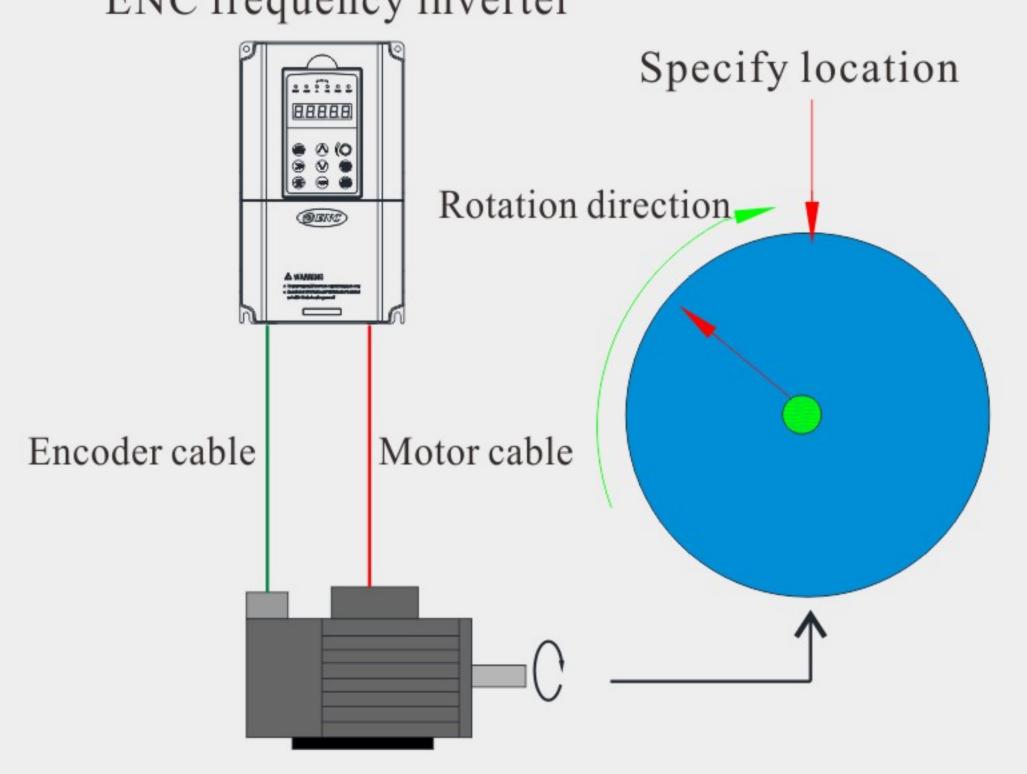
# ☐ Fixed length control Fixed length can achieve set length work Accuracy reaches 0.001m Length up to 65535m ENC frequency inverter Set winding length: 6000 meters Encoder cable

#### Positioning control

 $0.00 \sim 360.00 \text{ degrees}.$ 

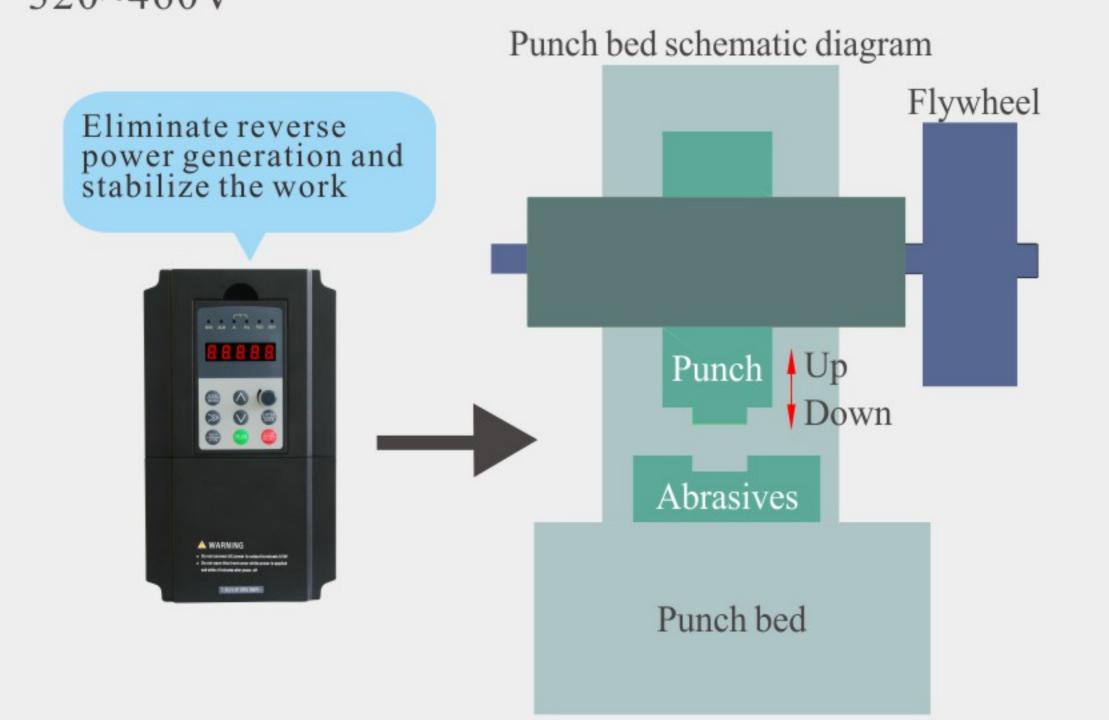
Positioning allows the machine to stop and return to the origin or stop at a designated location. Single point positioning relative to Z-axis angle:

#### ENC frequency inverter



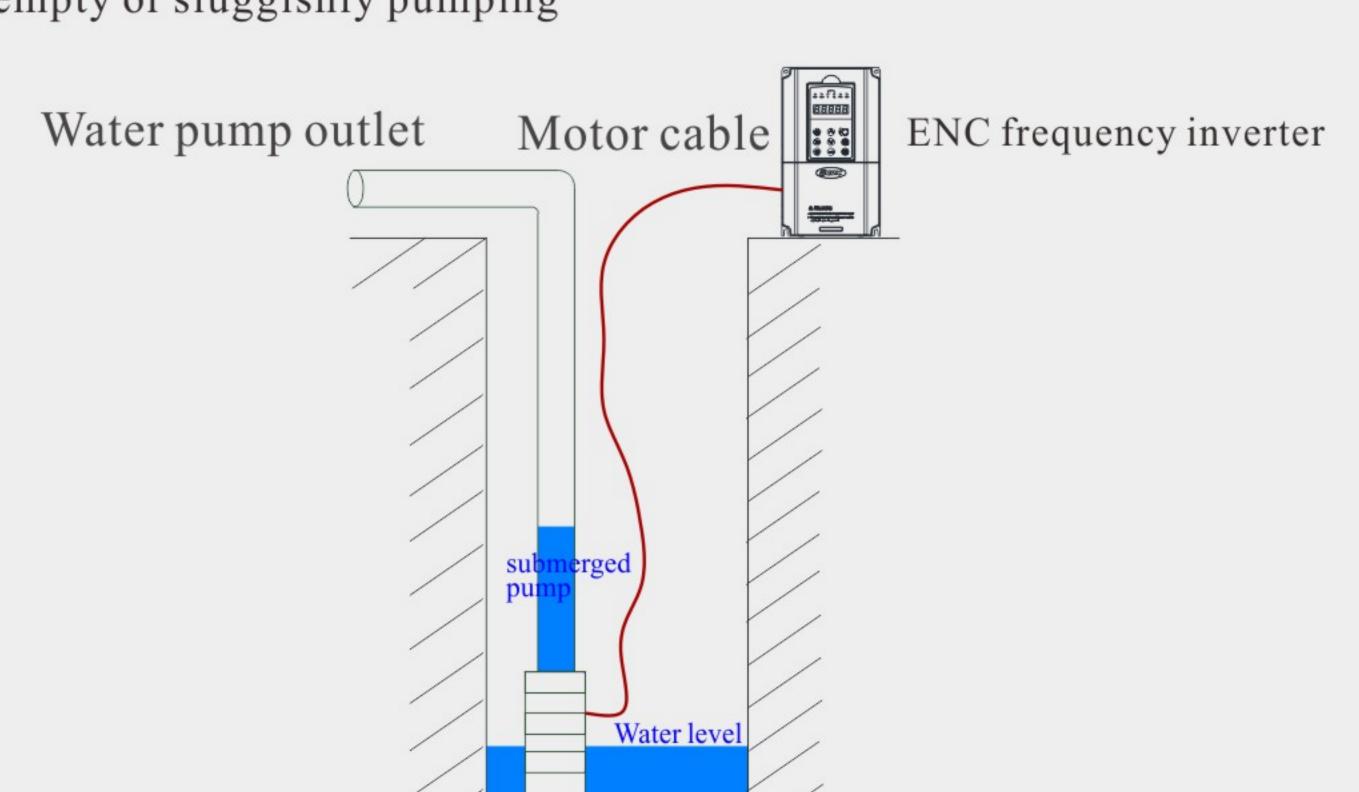
#### Recoil load applications

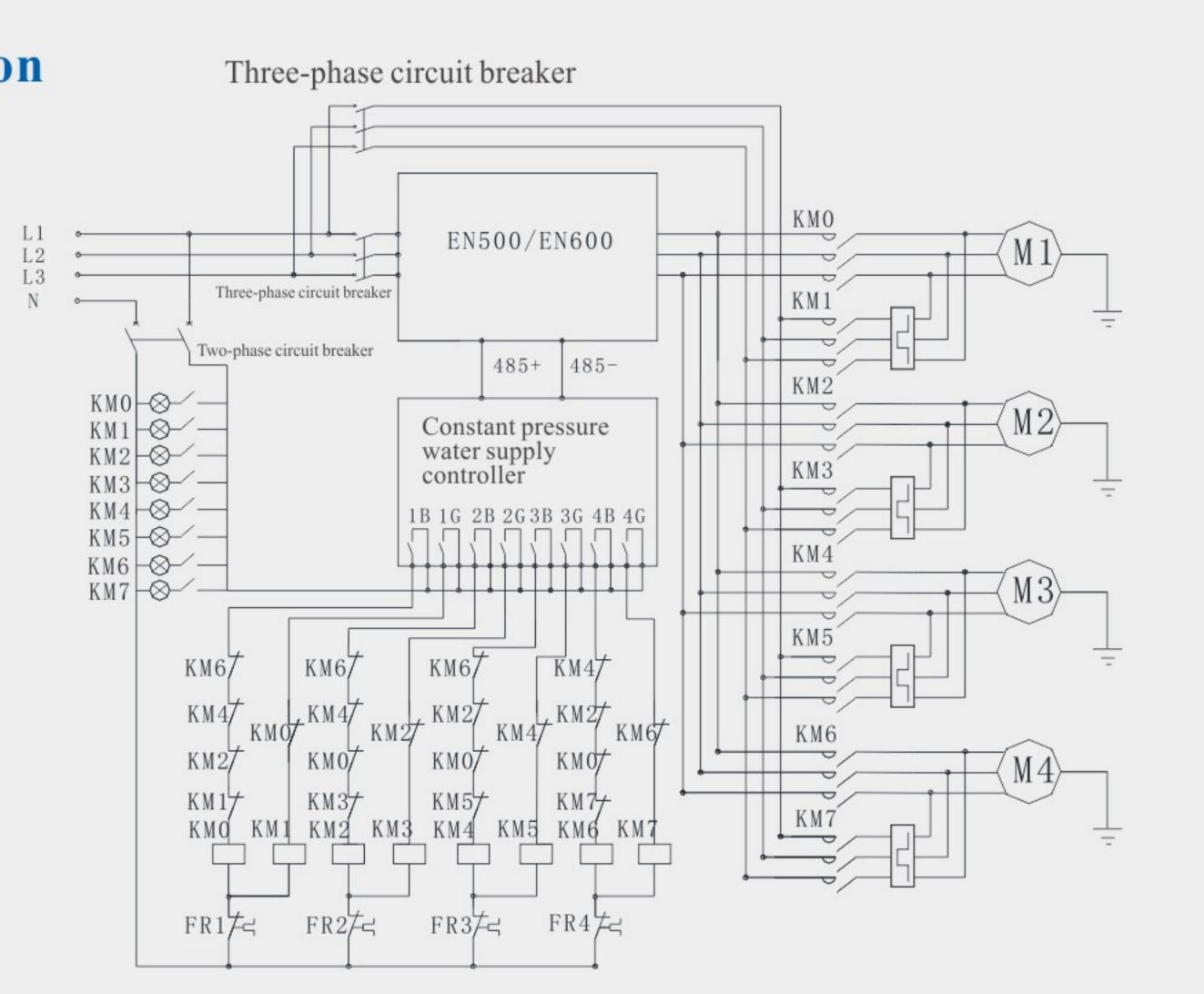
Eliminate the power generation caused by the reaction force caused by the punch load during the stamping process Universal overload capacity: 150% rated current allows single-phase 220V voltage fluctuations of 220~260V for 1 minute and allows three-phase 380V voltage fluctuations of 320~460V



# Constant pressure water supply and anhydrous protection

Prevent damage to the equipment when the water pump is running empty or sluggishly pumping





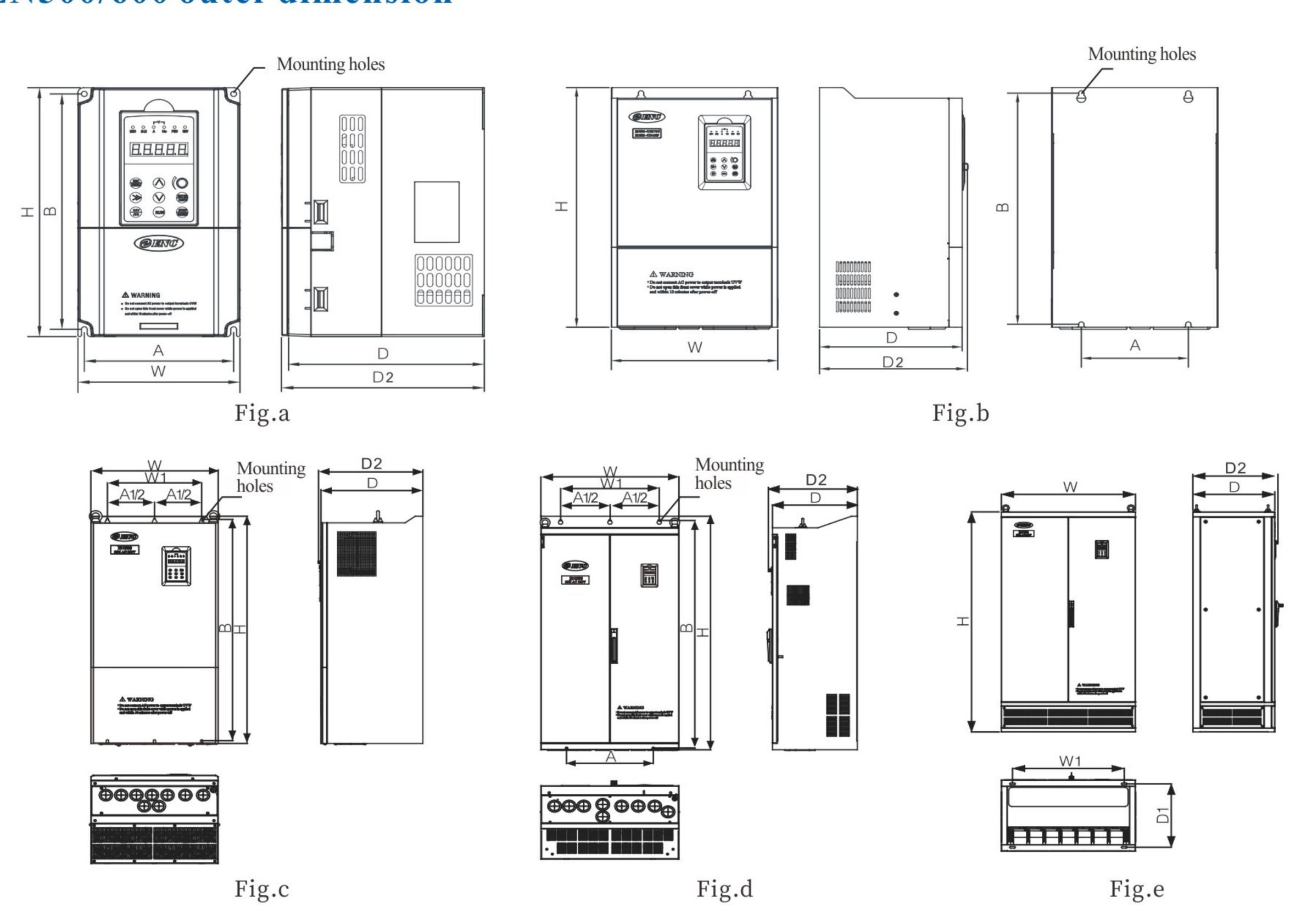
#### EN500/EN600 series Product technical indicators and specifications

	Τt	em	Item description					
Input	Ratin	g volt.,frequency	1 phase 220V Grade:1 phase 220V ,50Hz/60Hz; 3 phase 380V Grade:3 phase 380V ,50Hz/60Hz 3 phase 480V Grade:3 phase 480V ,50Hz/60Hz; 3 phase 690V Grade:3 phase 690V ,50Hz/60Hz					
	Allo	owed volt. range	1 phase 220V Grade:200~260V; 3 phase 380V Grade:320~460V 3 phase 480V Grade:408~552V; 3 phase 690V Grade:586~760V					
	Voltage		0~690V					
Output	Frequency		0~600Hz					
	Over	loading capacity	G type:150% of rated current for 1 minute P type:120% of rated current for 1 minute					
		Control mode	Vector control, PGVector control, Open-loop V/F control, torque control, PG torque control					
	Velocit	y control precision	±0.5% rated synchronous speed( vector control) ±0.1% rated synchronous speed(PG vector control) ±1% rated synchronous speed(V/F control)					
	Speed regulation range		1:2000(PG vector control) 1:100(vector control) 1:50(V/F control)					
	Start-up torque		1.0Hz:150% rated torque(V/F control) 0.5Hz:150% rated torque(vector control) 0Hz:180% rated torque(PG vector control)					
	Speed fluctuation		±0.3% rated synchronous speed( vector control) ±0.1% rated synchronous speed( PG vector control)					
	Torque control precision		±10% rated torque( vector control, torque control) ±5% rated torque(PG vector control, PG torque control)					
C	Torque response		≤20ms(vector control) ≤10ms (PG vector control)					
Control	Freq	uency precision	Digital settled: max. frequency×±0.01%; Analog setting: max. frequency×±0.5%					
perfor		Analog setting	0.1% of max. frequency					
B	Frequency resolution	Digital setting precision	$0.01 \mathrm{Hz}$					
lance		Exterior impulse	0.1% of max. frequency					
	Т	Corque boost	Automatic torque boost; manual torque boost 0.1~12.0%					
	V/F cur Charact	ve(volt. Frequency eristic)	Setting rated frequency at the range of 5~600Hz, by choosing constant torque, degressive torque 1, degressive torque 2, degressive torque 3, self-defined V/F total 5 kinds of curve.					
	Accelera	tion and deceleration	2 modes: straight line acceleration and deceleration; S curve acceleration and deceleration; 15 kinds of acceleration and deceleration time, time unit (0.01s,0.1s,1s) for option, max. time is 1000 minutes					
	Brake	Power consumption brake	EN600 series 380V 15kw and below power range has built-in brake unit, only need to add brake resistance between (+) and PB; Built-in braking unit is optional for power range of 18.5kw or above, only add brake resistance between (+) and PB, or extrnally connect braking unit between (+) and (-); EN500 series can connectexternally brake units between (+) and (-).					
		DC brake	Start, stop action for option, action frequency $0\sim15$ Hz, action current $0\sim100\%$ of rated current, action time $0\sim30.0$ s					
		Jog	JOG frequency range: 0Hz~up limit frequency; JOG acceleration and deceleration time: 0.1~6000. 0 seconds for setting					
	Multi-	section speed run	Realized by inbuilt PLC or control terminal; with 15 section speed; Each section speed with separately acceleration and deceleration time; with inbuilt PLC can achieve reserve when power down.					
	Inbui	lt PID controller	Convenient to make closed-loop control system					

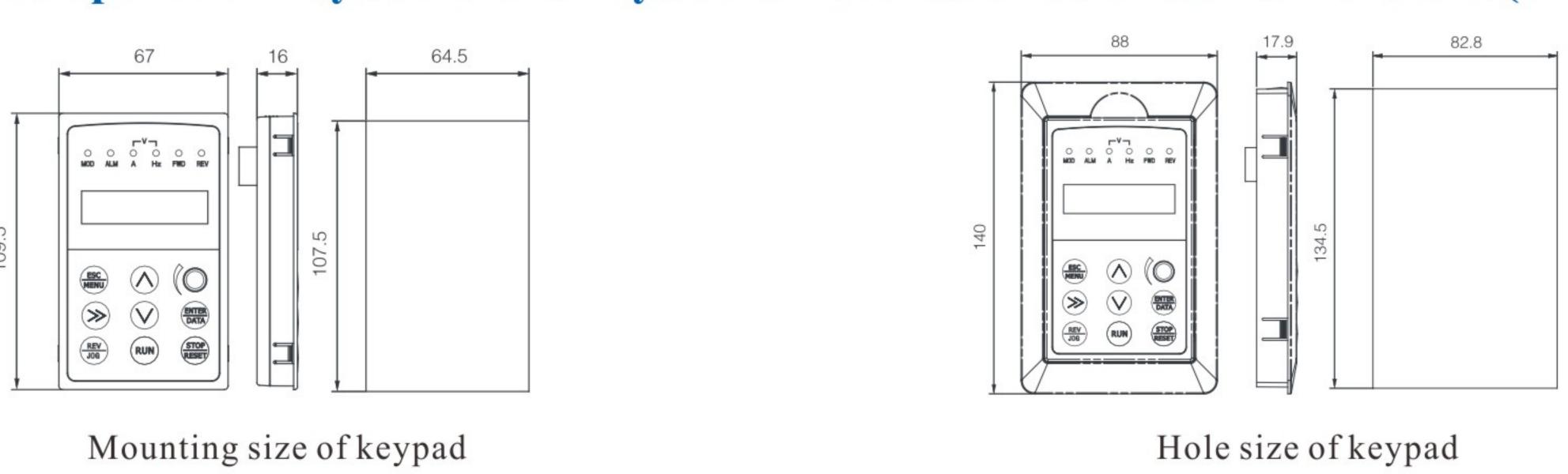
## EN500/EN600 series Product technical indicators and specifications

	Item	Item description
C	Automatic energy saving run	Optimize V/F curve automatically to achieve power saving run according to the load status.
Control	Automatic voltage regulate(AVR)	Automatically keep output voltage constant, when the power grid voltage fluctuation.
	Automatic current limiting	Current limited automatically under run mode in avoid of inverter over-current frequency to trip.
performan	Carrier modulation	Modulate carrier wave automatically according to the load characteristic.
ace	Speed tracking restart	Make rotating motor smoothly start without shocking
	Running command specified channel	Keypad specified, control terminal specified, communication specified can switch through various means
Running function	Running frequency specified channel	Main and auxiliary specified to a realize one main adjusting and one fine control.  Digital specified, analog specified, pulse specified, pulse-width specified, communication specified and others, which can be switched by many means at any time.
	Binding function	Run command channel and frequency specified channel can bind together randomly and switch synchronously.
Inpu	Digital input channel	8 Channels for universal digital input, max. Frequency 1KHZ, 1 channel can be used as pulse input channel, max. input 50KHz, which can be expanded to 14 channels.
ıtand Outp	Analog input channel	2 Channels for analog input channel, AI1 can choose 4~20mA or 0~10V as output, AI2 is differential input channel, 4~20mA or -10~10V for option, which can be expanded to 4 channels analog input.
ut chara	Pulse output channel	0.1~20KHZ pulse square signal output to achieve setting frequency, output frequency and other physical quantity output.
cteristic	Analog output channel	2 Channels for analog signal output, AO1 can be $4\sim20\text{mA}$ or $0\sim10\text{V}$ , AO2 can be $4\sim20\text{mA}$ or $0\sim10\text{V}$ to achieve setting frequency, output frequency and other physical quantity output, which can be expanded to 4 channels analog output.
	Rapid current limit	Limit inverter over current to the greatest point, and make it run more stably.
Liniana	Monopulse control	Suitable for working site where need one button to control inverter start and stop, first press to start, then press to stop, and that cycle repeats. It is very simple and reliable.
Unique function	Fixed length control	Realize fixed length control.
	Timing control	Timing control function: setting time range 0.1min~6500.0 min.
	Virtual terminal	Five group virtual input &output IO can realize simply logical control.
Keypad	Keypad display	The parameters as setting frequency, output voltage, output current can be displayed
Reypad	Button locked	Lock all or part of the buttons.
	Protection function	Motor power on shot circuit test, input & output phase loss protection, over-current protection, over voltage protection, under voltage protection, over heat protection, overload protection, under load protection, relay absorption protection, terminal protection and non stop protection under power off.
	Application site	Indoor, not bare to sunlight, no dust, no corrosive gas, no flammable gas, no vapor, no water drop or salt etc.
	Altitude	Under 1000 meters.( above 1000 meter require to reduce volume to use, output current reduce about 10% of rated current per 1000 meter high)
Ambient	Environment temperature	-10°C $\sim$ +40°C (environment temperature between 40°C $\sim$ 50°C, need to reduce volume or strengthen heat sink)
	Environment humidity	Smaller than 95%RH, no drop condenses
	Vibration	Smaller than $5.9  \text{m/s}^2  (0.6  \text{g})$
	Storage temperature	-40°C~+70°C
	Protection grade	IP20
Structure	Cooling mode	Forced air cooling and natural
	Installation mode	Wall hanging and cabinet installation

# EN500/600 outer dimension



#### EN500/EN600 operation keyboard and keyboard installation outer box dimensions (unit: mm)



## EN500/600 installation size

Inverter type	W (mm)	H (mm)	D (mm)	D2 (mm)	(mm)	(Mm)	(mm)	W1 (mm)	D1 (mm)	Mounting holes	Fig.
EN600-2S0004											
EN600-2S0007											
EN600-2S0015											
EN600-2S0022											
EN600-2S0037B	115	200	151	164	104	-	186	-	_	5	Fig.a
EN600-4T0007G/0015PB											
EN600-4T0015G/0022PB											
EN600-4T0022G/0037PB											
EN600-4T0037G/0055PB											
EN600-4T0055G/0075PB	140	240	175	188	129	_	227	_	_	5	Fig.a
EN600-4T0075G/0110PB	140	240	170	100	123		221			J	115.α
EN600-4T0110G/0150PB	180	304	189	202	165	_	281	_	_	6	Fig.a
EN600-4T0150G/0185PB	100	304	103	202	100		201			б	115.α

# PENC

# EN750

Fig.

Fig.b

Fig.b

Fig.b

Fig.b

Fig.b

Fig.b

Fig.c

Fig.c

Fig.d

Fig.d

Fig.e

Fig.e

Fig.e

Fig.e

Fig.b

Fig.b

Fig.b

Fig.c

Fig.e

Fig.e

Fig.e

## EN750 series High performance vector inverter

# Product advantages

- New book-form design.
- > Support Three phase asynchronous motor, Permanent-magnet Synchronous motor.
- Supports external command input. Spindle position quasi-stop, multi-segment position modes to meet higher precision requirements.
- > Supports self-learning of motor moment of inertia.
- Multiple encoder types are supported in closed-loop vector mode. ABZ open collector/differential encoder, ABZ/UVW differential encoder, rotary transformer and others.differential encoder, Rotary transformers, etc.



# Hardware features

#### Over loading capacity

Hardware design regardless of G,P type. 150% of rated current for 1 minute.

#### Reliable design

·Adopt IGBT design solution. ·2S-1.5Kw and 4T-2.2kw and above models adopt threephase current sampling Design Solution.

#### Extended Enrichment

2S-2.2kw and 4T-3.7kw and above models, Simultaneously meets PG and bus extensions to support various complex scenarios.

#### Braking Unit

22KW and below models are equipped with internal brake unit as standard, and 30KW and above are equipped with internal brake unit as an option.

#### EMC Design

EMC switch is designed on the terminal board. Effectively solve the problem of interference problems caused by the inability to ground on site.

# Product structure characteristics



> No cooling holes on the side of the body, support side-by-side installation, saving space in the distribution cabinet.

- > Support external DC reactors(45KW and above model)
- > 45KW and below models adopt ABS+PC molded case design.
- > 45KW and above models adopt sheet metal design.





- > Standard with a removable silicone keyboard. Can be used as an external keyboard, convenient and quick to use.
- > 45KW and below plastic-cased models are equipped as standard with a single display 6-digit silicone key small keyboard, 45KW and above metal models are standardized with dual display 9-digit silicone key large keyboard.
- > Optionally available with knob and external communication remote keyboard.



EN500/600 installation size

263 190

980

700 1368

850 1650

1350 1900

1518

1700

340 353 297

563

1100 1800 550

504.5

953

370 1003

500 1483

370 973 - -

370

Inverter type

EN600-4T0185G/0220P

EN600-4T0220G/0300P

EN600-4T0300G/0370P

EN600-4T0370G/0450P

EN600-4T0450G/0550P

EN600-4T0550G/0750P

EN500-4T0750G/0900P

EN500-4T0900G/1100P

EN500-4T1100G/1320P

EN500-4T1320G/1600P

EN500-4T1600G/1850P

EN500-4T1850G/2000P

EN500-4T2000G/2200P

EN500-4T2200G/2500P

EN500-4T2500G/2800P

EN500-4T2800G/3150P

EN500-4T3150G/3550P

EN500-4T3550G/3750P

EN500-4T3750G/4000P

EN500-4T4000G/4500P

EN500-4T4500G/5000P

EN500-4T5000G/5600P

EN500-4T5600G/6300P

EN500-4T6300G/7100P

EN500-4T8000G

EN500-4T10000G

EN600-7T0110G/0150P

EN600-7T0150G/0185P

EN600-7T0185G/0220P

EN600-7T0220G/0300P

EN600-7T0300G/0370P

EN600-7T0370G/0450P

EN600-7T0450G/0550P

EN600-7T0550G/0750P

EN600-7T0750G/0900P

EN600-7T0900G/1100P

EN600-7T1100G/1320P

EN600-7T1320G/1600P

EN600-7T1600G/2000P

EN600-7T2000G/2200P

EN600-7T2200G/2500P

EN600-7T2500G/2800P

EN600-7T2800G/3150P

EN600-7T3150G/3550P

EN600-7T3550G/4000P

EN600-7T4000G/4500P

EN600-7T4500G/5000P

EN600-7T5000G/5600P

EN600-7T5600G/6300P

EN600-7T6300G

EN600-7T8000G

EN600-7T10000G



# EN750 series Product technical indicators and specifications

Item			Item description					
T.,,,,,,,4	Rated volt.,frequency		1 phase220V ,50hz/60hz; 3 phase380V,50hz/60hz					
Input	Allowed volt.range		1phase 220v:220-260V; 3Phase380V 320-460V					
	Voltage		0∼input voltage					
Output	F	requency	0~600Hz					
	Over loading capacity		150% of rated current for 1 minute.					
	Control mode		<ol> <li>Without PG vector control(support synchronous motor and Asynchronous motors)</li> <li>PG Vector control(support synchronous motor and Asynchronous motors)</li> <li>V/F control</li> <li>Torque control (support synchronous motor and Asynchronous motors)</li> <li>PG torque control(support synchronous motor and Asynchronous motors)</li> <li>Position control(support synchronous motor and Asynchronous motors)</li> </ol>					
	Velocity control precision		±0.5% rated Synchronous speed(without PG vector control) ±0.1% rated Snchronous speed(with PG vector control) ±1% rated Snchronous speed(V/f control)					
	Speed regulation range		1:2000(with PG vector control) 1:200(without PG vector control) 1:50( V/f control)					
	Start up torque		1.0Hz:150% rated torque (V/f control) 0.5Hz:150%rated torque(without PG vector control) 0Hz:180%rated torque(with PG vector control)					
	Speed fluctuation		±0.3%rated Synchronous speed(without PG vector control) ±0.1% rated Snchronous speed(with PG vector control)					
	Torque control accuracy		$\pm 8\%$ rated torque (without PG vector control,without torque control) $\pm 5\%$ rated torque (with PG vector control, with torque control)					
Control	Torque response		≤20ms(without PG vector control); ≤10ms(with PG vector control)					
ance	Frequency precision		Digital setting:max.frequency x $\pm$ 0.01%; Analog setting:max frequency x $\pm$ 0.5%					
	Freq. resolution	Simulation settings	0.1% of max.frequency					
		Digital setting accuracy	0.01Hz					
		External pulse	0.1% of the max. frequency					
	Torque boost		Automatic torque boost; The manual torque is increased by 0.1~30.0%					
	V/F curve (volt. frequency characteristics)		Setting rated frequency at the range of 5~650Hz, by choosing constant torque degressive torque 1, degressive torque 2, degressive torque 3, self-defined V/F VF total 6 kinds of curve.					
	Acceleration deceleration curve		Two modes: straight line acceleration and deceleration; S curve acceleration and deceleration; 15 kinds of acceleration and deceleration time, time unit (0.01s, 0.1s, 1s) for option, max. Time For 1000 minutes.					
	Brake	Power consumption brake	3 phase22kw below power range has built-in brake unit, only need to add brake resistance between(+) and PB; Built-in braking unit is optional for power range of 30KW or above, only dd brake resistance between(+) and PB, or externally connect braking unit between(+) and (-).					
		DC brake	Start, stop action for option, action frequency $0\sim15$ Hz, action current $0\sim100\%$ of rated current, action time $0\sim30.0$ s.					
	Jog		Jog frequency range: 0Hz~~up limit frequency; jog acceleration and deceleration time 0.1~6000.0 seconds for setting.					
	Multi-section speed run		Realized by inbuilt PLC or control terminal; with 15 section speed, each section speed with separately acceleration and deceleration time; with inbuilt PLC can achieve reserve when power down.					

# EN750 series Product technical indicators and specifications

	Item	Item description						
	Inbuilt PID controller	Convenient to make closed-loop control system						
	Automatic voltage(AVR)	Automatically keep output voltage constant, when the power grid voltage fluctuation						
Control	Automatic current limiting	Current limited automatically under run mode in avoid of inverter over- current frequently to trip.						
ance	Carrier modulation	Make rotating motor smoothly start without shocking						
	Speed tracking restart	Make rotating motor smoothly start without shocking						
	Running command specified channel	Keypad specified, Control terminal specified, communication specified, can switch through various means.						
Running function	Running frequency specified channel	Main & auxiliary specified to a realize one main adjusting and one fine control. Digital specified, analog specified, pulse specified, pulse width specified, communication specified and others, which can be switched by many means at any time.						
	Binding function	Run command channel and frequency specified channel can bind together randomly and switch synchronously						
	Digital input channel	Channel 5 for universal digital input, max. Frequency 1KHz, channel 1 can be used as pulse input channel, max. Input 50KHz, Expansion terminals can be realized						
Input output	Analog input channel	Channel 2 for analog input channel, AI1 is 0-10V input, AI2 can choose 4-20mA or 0-10V or 0-20mA input, Expansion terminals can be realized						
characte ristic	Pulse output channel	0.1 ~ 20KHz pulse square signal output to achieve setting frequency, output frequency and other physical quantity output.						
	Analog output channel	Channel 1 for analog output channel, AO can choose 0-20mA or 0-10V to achieve setting frequency, output frequency and other physical quantity output, which can be expanded to channel 4 analog output.						
	Rapid current limit	Hardware-level current limiting circuitry, Limit inverter over current to the greatest point, and make it run more stably						
Unique	Monopulse control	Suitable for working site where need one button to control inverter start and stop, first press to start, then press to stop, and that cycle repeats. Its very simple and reliable.						
ranction	Fixed length control	Realize fixed length control						
	Timing control	Timing control function: setting time range 0.1Min ~ 6500.0Min						
	Virtual terminal	Five group virtual input & output IO can realize simply logical control						
Operating Keypad	Keypad display	The parameters as setting frequency, output frequency, output voltage, output current can be displayed						
ncypad	Button Locked	Lock all or part of the buttons						
	Protection function	Motor power on Shot circuit test, input & output phase loss protection, over- current protection, over voltage protection, under voltage protection, over heat protection, overload protection, short-circuit protection to ground, terminal protection, terminal protection and no stop protection under power off., etc.						
	Application site	Indoor, not bare to sunlight, no dust, no corrosive gas, no flammable gas, no vapor, no water drop or salt etc.						
<u>.</u>	Altitude	Under 1000 meter. (above 1000 meter require to reduce volume to use, output current reduce about 10% of rated currenvolt per 1000 meter high)						
Environ ment	Environment temperature	-10°C~+40°C (environment temperature between 40°C~50°C, need to reduce volume or strengthen heat sink)						
	Environment humidity	Smaller than 95%RH, no drop condenses						
	Vibration	Smaller than 5.9 M/S2(0.6g)						
	Storage temperature	-40°C~+70°C						
Structure	Protection grade	IP20						
Stractare	Cooling mode	Forced air cooling and natural						
	Installation mode	Wall-mounted						

# PENC

# EN600PV

# EN600PV series Photovoltaic water pump inverter

#### Product advantages

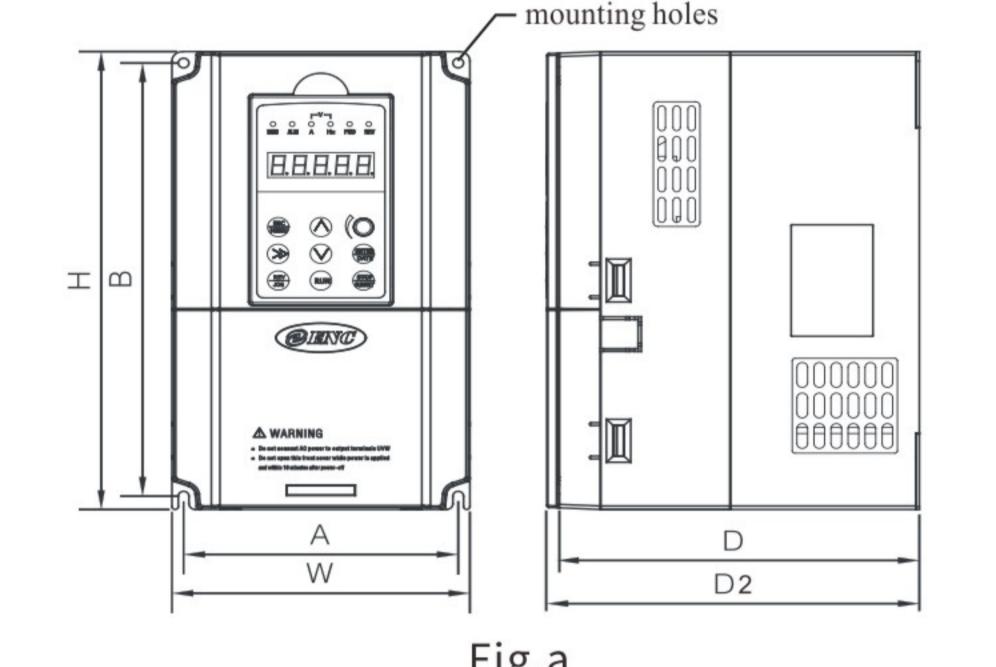
- High overload capacity: 150% rated current 1 minute; 180% rated current 2 seconds; 200% rated current 0.5 seconds.
- Excellent control, to ensure the automatic operation of the equipment, unattended.
- Protection function: with low frequency protection, sleep protection, drainage protection, over-current protection, minimum power protection and other protection functions.
- Default automatic operation: automatically through the keyboard; through the Internet of things, and through the terminal.
- > Advanced MPPT technology: the maximum MPPT efficiency is 99.9%.
- > Automatic start sleep, underpressure restart.
- > Support for both DC and AC input.
- Water level monitoring: anti-dry pumping and anti-overflow water.

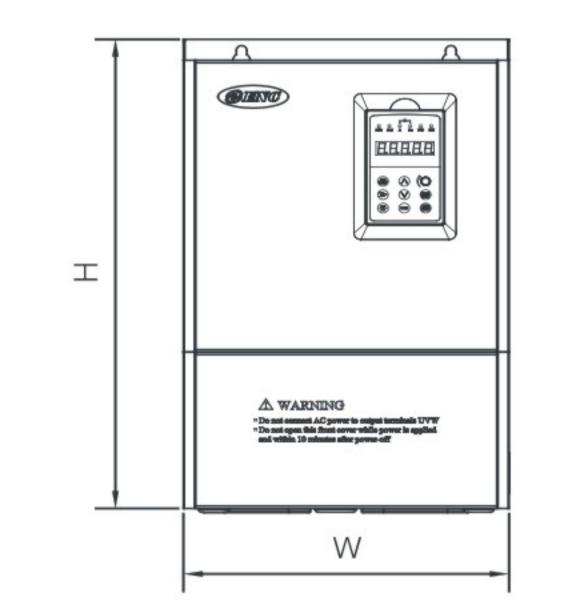


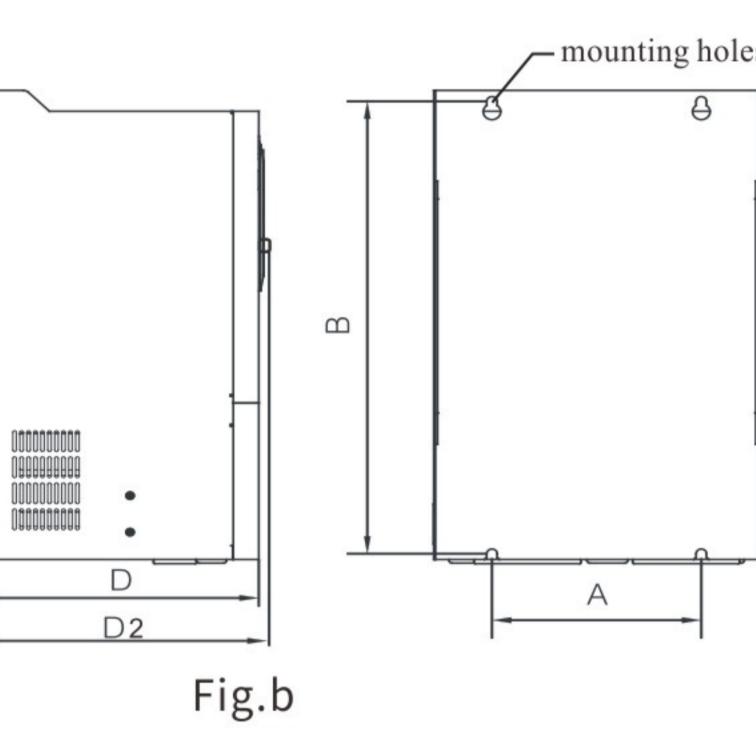
# **Applicable industry**

Widely used in municipal engineering, water supply engineering, agricultural irrigation and other industries.

#### Installation size

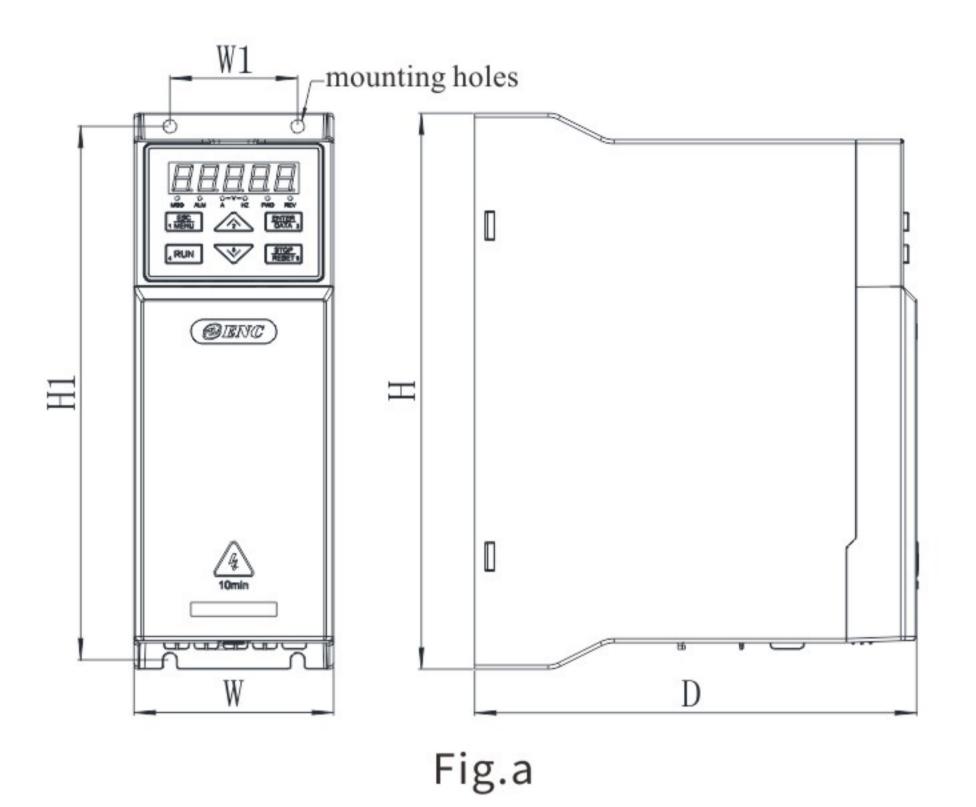


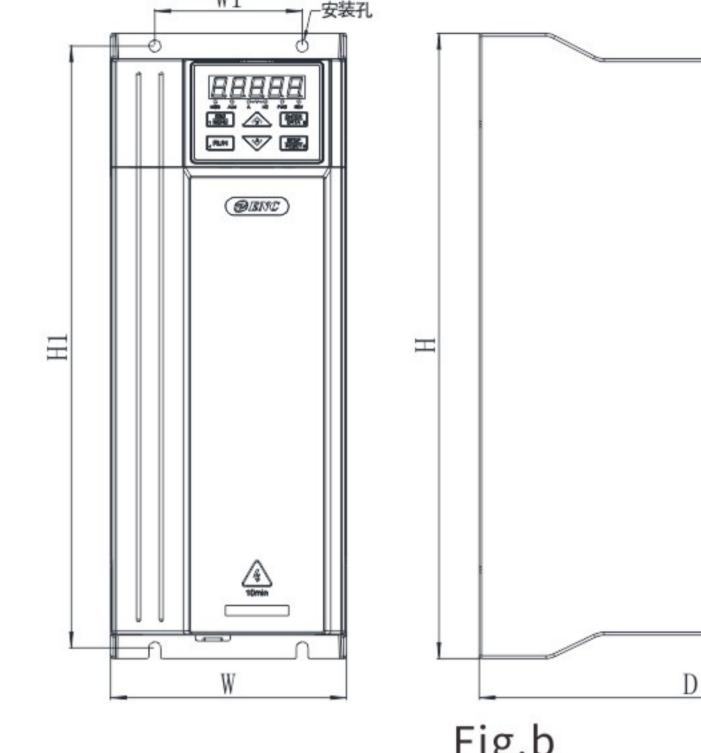


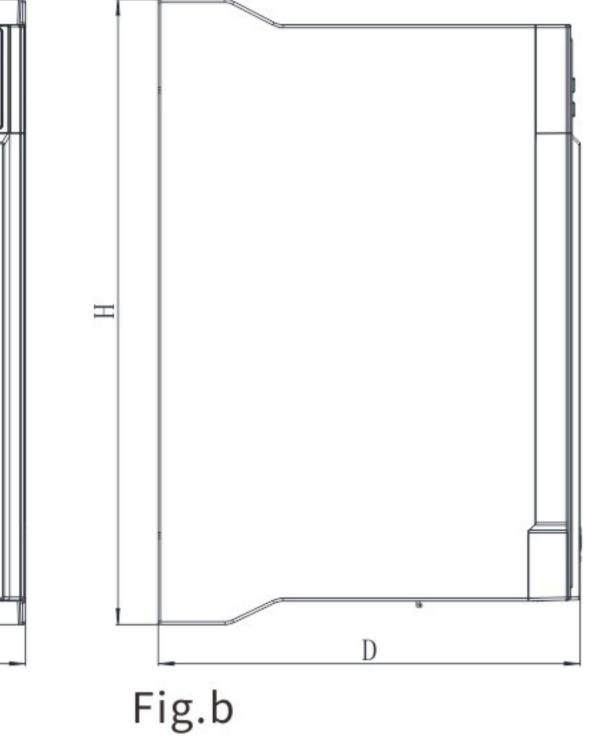


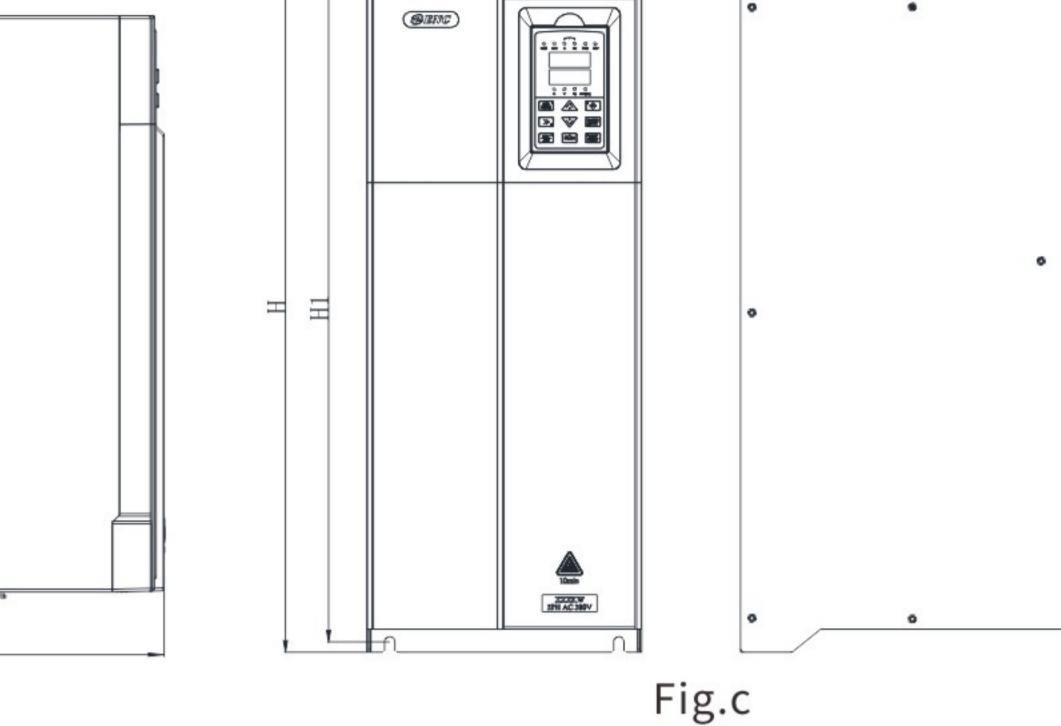
Inverter type	W (mm)	H (mm)	D (mm)	D2 (mm)	(mm)	(A1 (mm)	(mm)	W1 (mm)	D1 (mm)	Mounting Hole Dia	Fig.	
EN600PV-2S0004	115		151	164	104		186			5		
EN600PV-2S0007												
EN600PV-2S0015											Fig.a	
EN600PV-2S0022												
EN600PV-2S0037		200										
EN600PV-4T0007												
EN600PV-4T0015												
EN600PV-4T0022												
EN600PV-4T0037												
EN600PV-4T0055	140	240	175	188	120	_	227	_	_	5	Fiσa	
EN600PV-4T0075		240	175	100	129		227		S <del></del>	5	Fig.a	
EN600PV-4T0110	100	204	100	202	165		201		70 <u>-11</u>	6	Fig.a	
EN600PV-4T0150	180	304	189	202	165	_	281	_	_	6	i ig.a	
EN600PV-4T0185	250	250	398	010	000	100		200			0	Eig b
EN600PV-4T0220		390	210	223	180	_	382		_	9	Fig.b	
EN600PV-4T0300	200	450	0.40	252	100		19.1			0	Fig. b	
EN600PV-4T0370	280	450	240	253	180		434	_	_	9	Fig.b	

## **EN750 Series install size**







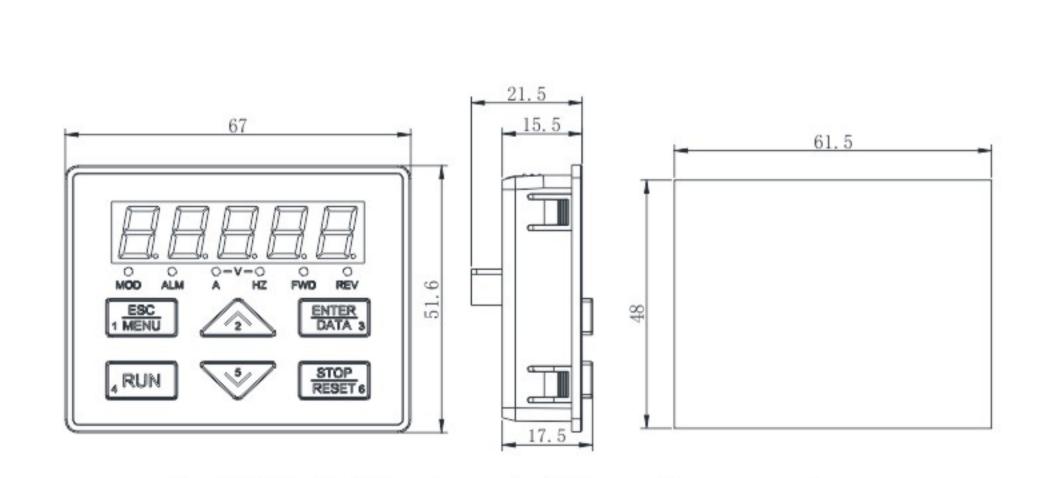


			`				0	
Inverter type	(mm)	(mm)	D (mm)	W1 (mm)	H1 (mm)	D1 (mm)	Mounting holes (mm)	Fig.
EN750-2S0004B			145	40	167	-	5	Fig.a
EN750-2S0007B								
EN750-2S0015B	C 7	177						
EN750-4T0007B	67							
EN750-4T0015B								
EN750-4T0022B								
EN750-2S0022B	75	210	166	48	201.5	-	5	Fig.a
EN750-4T0037B	75							
EN750-4T0055B	100	242	180	71	232.5	-	6	Fig.b
EN750-4T0075B		242						
EN750-4T0110B	120	220	0 214.7	75	308	-	6	Fig.b
EN750-4T0150B	120	320						
EN750-4T0185B	1.42	400	225	110	204		6	F: 1
EN750-4T0220B	142	408	223	110	394	_	6	Fig.b
EN750-4T0300	172	466	220	1/12	452		7	Fig.h
EN750-4T0370	172	400	230	142	452	_	-	Fig.b
EN750-4T0450	225	550	315	185	530	319.5	7	Fig.c
EN750-4T0550		550	313	100	330	319.5	1	rig.c
EN750-4T0750	240	600	335	200	580	339.5	9	Fig.c
FN750-4T0900		000	333	200	300	339.3	9	rig.c

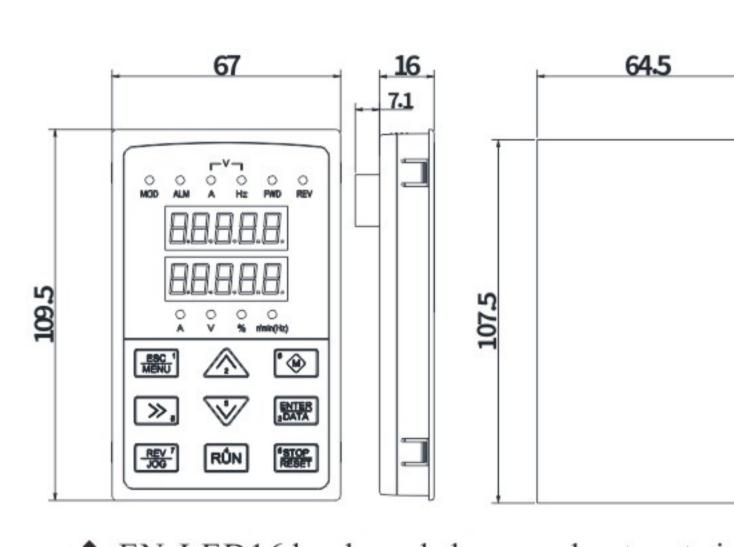
# Dimensions of the operating keyboardand the keyboard mounting box

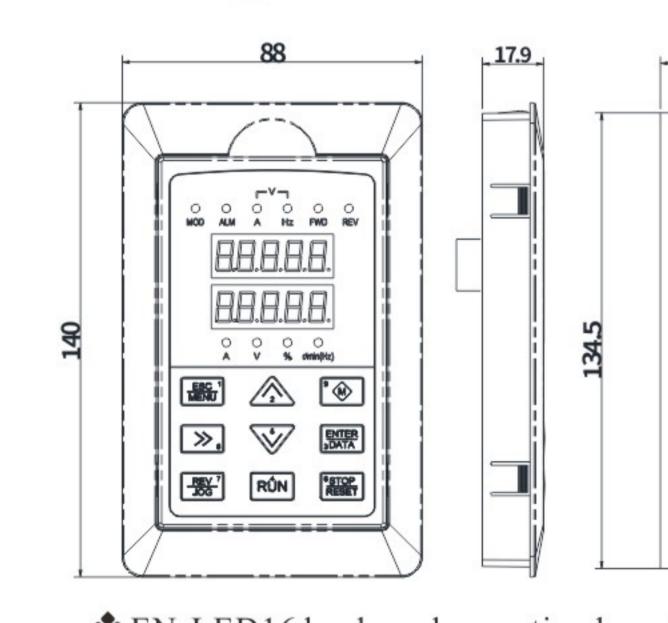
(units:mm)

EN750-4T0900



EN-LED15 keyboard shape and cut-out size





EN-LED16 keyboard shape and cut-out size

EN-LED16 keyboard mounting box shape and cut-out size

#### Prompt

(1) EN-LED15. When the EN-LED15-D keyboard is introduced, it does not support the keyboard installation box for installation, only supports the keyboard for installation, and the opening size is shown in the figure.

(2) When the EN-LED16 and EN-LED16-D keyboards are introduced, customers can open the holes according to the size of the keyboard opening or the opening size of the keyboard installation box according to the actual needs; It is recommended that the thickness of the board to install the keyboard is between  $1.0 \sim 1.5 \,\mathrm{mm}$ .

(3) If the keyboard mounting box is used, the keyboard mounting box needs to be ordered separately.

# Inverter type explanation

Input voltage	Inverter model	Rated output current (A)	Adaptation motor(KW)	Recommended panel input power(KW)	Maximum DC input voltage(V)	Recommended panels voltage (V)
	EN600PV-2S0004	2. 5	0.4	0.55	410	330~400
	EN600PV-2S0007	4	0.75	1.0	410	330~400
Single- phase 220V	EN600PV-2S0015	7	1.5	1.95	410	$330 \sim 400$
220 1	EN600PV-2S0022	10	2. 2	2.86	410	330~400
	EN600PV-2S0037	15	3. 7	4.8	410	$330 \sim 400$
	EN600PV-4T0007	2. 3	0.75	1.0	780	$600 \sim 750$
	EN600PV-4T0015	3. 7	1.5	1.95	780	$600 \sim 750$
	EN600PV-4T0022	5	2. 2	2.86	780	$600 \sim 750$
	EN600PV-4T0037	8.5	3. 7	4.8	780	$600 \sim 750$
	EN600PV-4T0055	13	5. 5	7. 2	780	$600 \sim 750$
Three-phase	EN600PV-4T0075	17	7. 5	9. 75	780	$600 \sim 750$
380V	EN600PV-4T0110	25	11	14. 3	780	$600 \sim 750$
	EN600PV-4T0150	33	15	19.5	780	$600 \sim 750$
	EN600PV-4T0185	39	18.5	24	780	$600 \sim 750$
	EN600PV-4T0220	45	22	28.6	780	$600 \sim 750$
	EN600PV-4T0300	60	30	39	780	$600 \sim 750$
	EN600PV-4T0370	75	37	48	780	$600 \sim 750$

# PV panel configuration table

T. 3.6 1.1	20V		3	OV	36V		
Inverter Model	Power(W)	PV Panel Configuration	Power(W)	PV Panel Configuration	Power(W)	PV Panel Configuration	
EN600PV-2S0004	30	17*1					
EN600PV-2S0007	30	17*2					
EN600PV-2S0015	30	17*3					
EN600PV-2S0022			250	12*1	300	10*1	
EN600PV-2S0037			250	12*2	300	10*2	
EN600PV-4T0007	30	33*1					
EN600PV-4T0015	30	33*2					
EN600PV-4T0022	30	33*3					
EN600PV-4T0037			250	20*1	300	18*1	
EN600PV-4T0055			250	20*2	300	18*2	
EN600PV-4T0075			250	20*2	300	18*2	
EN600PV-4T0110			250	20*3	300	18*3	
EN600PV-4T0150			250	20*4	300	18*4	
EN600PV-4T0185			250	20*5	300	18*5	
EN600PV-4T0220			250	20*6	300	18*6	
EN600PV-4T0300			250	20*8	300	18*8	
EN600PV-4T0370			250	20*10	300	18*10	

<sup>\*</sup>Note: Example 17 \* 3 represents a total of 51 pieces per 17 pieces first in series, and finally in parallel.

# Product application



Spiral pile driver, using EN600 series inverter



Seamless steel pipe sizing machine, 14 units of EN600 series inverters are used on site



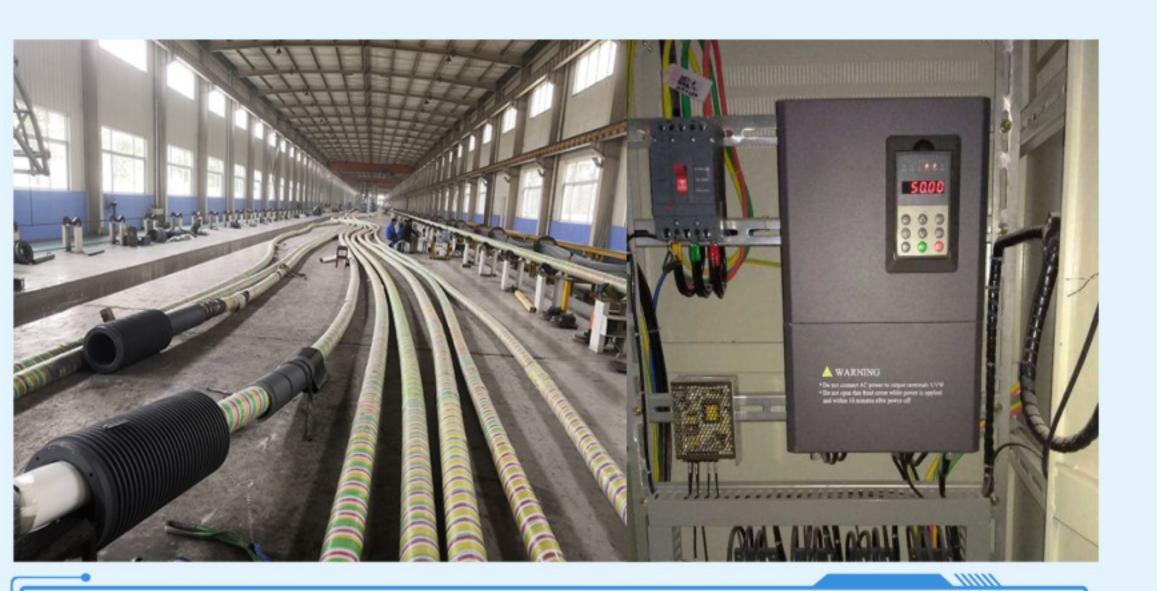
Crusher, using EN500 series inverter



Coal washing plant drying system, using 6 units of EN600-7T series inverters on site



Powder dressing machine, using EN500 inverter + EN550 active front end



Bridge hoisting system uses EN600 series inverters



Ironworks heating furnace fan, using EN500-560kW and 315kW inverter

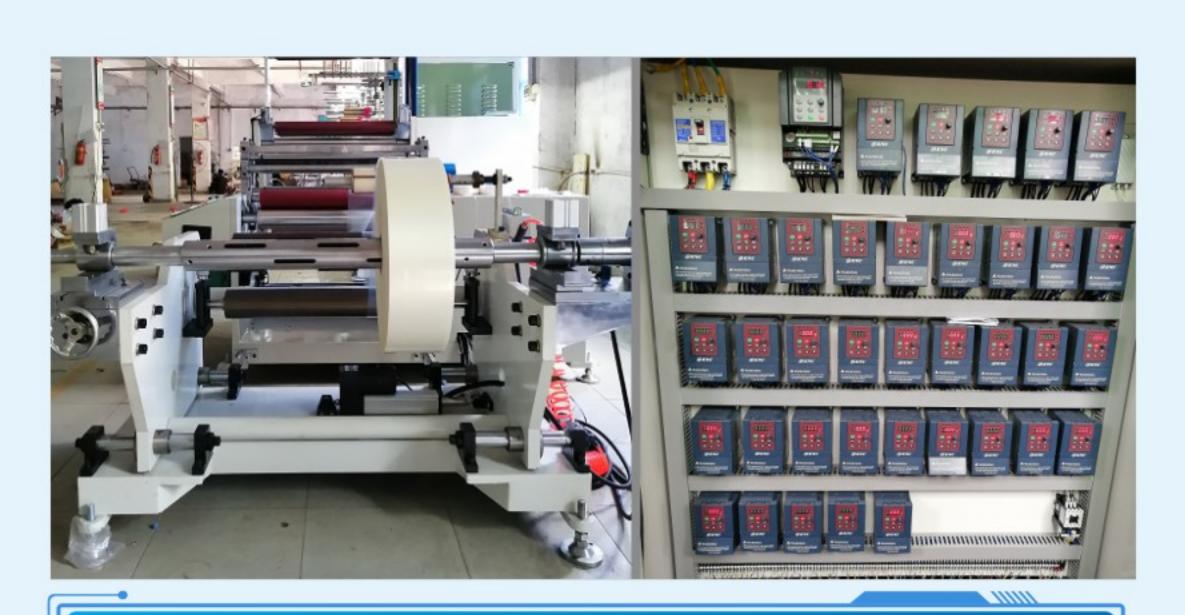


Slitting machine, 5 units of EN500 and EN600 series inverters are used on site

# Product application



Rolling mill, using EN500 series inverter



Film stripping and winding equipment, 38 units of EN600 and EDS800 inverters were used on site



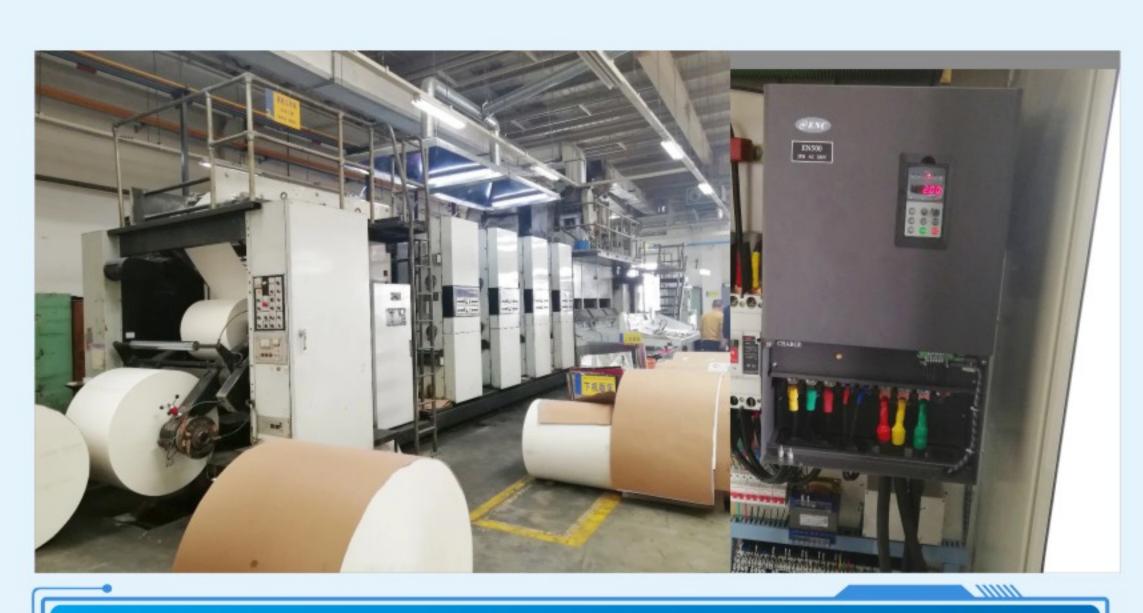
Fully automatic top and bottom paper box forming machine, using ENA100 series inverter



Bubble film machinery, using EN750 and ENA100 series inverters



Textile equipment high-speed fans use ENA100 series inverters



Offset printing machine, using EN500 series inverter



Winch-type oil pumping unit, using EN600 series inverter



Plate rolling machine, using EN500 series inverter

# Service network

- Established more than 30 branches in China
- Products are exported to more than 50 countries overseas

