

Customize the new future

H1 series Compact Inverter

Customize the new future



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ABOUT US

Zhejiang New Folinn Electric Co., Ltd, also called Folinn for short, was founded in 1994. Located at Wenling, the youngest costal city in China, and well-known manufacturing base in Yangtze River Delta.

We are specialized in manufacturing inverter, our market share has been in the forefront of the industry, is well-known inverter manufacture who engaged in the development, manufacturing and marketing of industrial automation control products in China.

We have 270 patented technologies and 21 software copyrights. The total building area of our factory is 35,000 square meters. And we have established three R&D centers in Taizhou, Hangzhou and Germany, sales network and after-sales service agencies have been throughout the main provinces and autonomous regions, exported to Europe and the United States, southeast Asia, the Middle East and other countries.

Folinn always adheres to the service concept of quality and customer first. Depends on the advantages of technology research and marketing channels, Folinn more actively expands its product line, and improves the core competitiveness in the market continuously, and provides high-quality electrical products and personalized solutions for electric power, new energy, machinery manufacturing and other fields.

Driving Follow Heart, Winning The Future!

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Compact design, Customized interface



Folinn

Easy detachable fan design

easy to replace, easy to clean, long life



Function Card

Press to remove it easily and can replace it with customized function card





Abundant display

LED keypad, LCD keypad



External operation panel

parameter copy, fault diagnosis, operation optimization, cloud connection

10min



Independent air duct

Reliable heat dissipation high protection level



Customized terminal

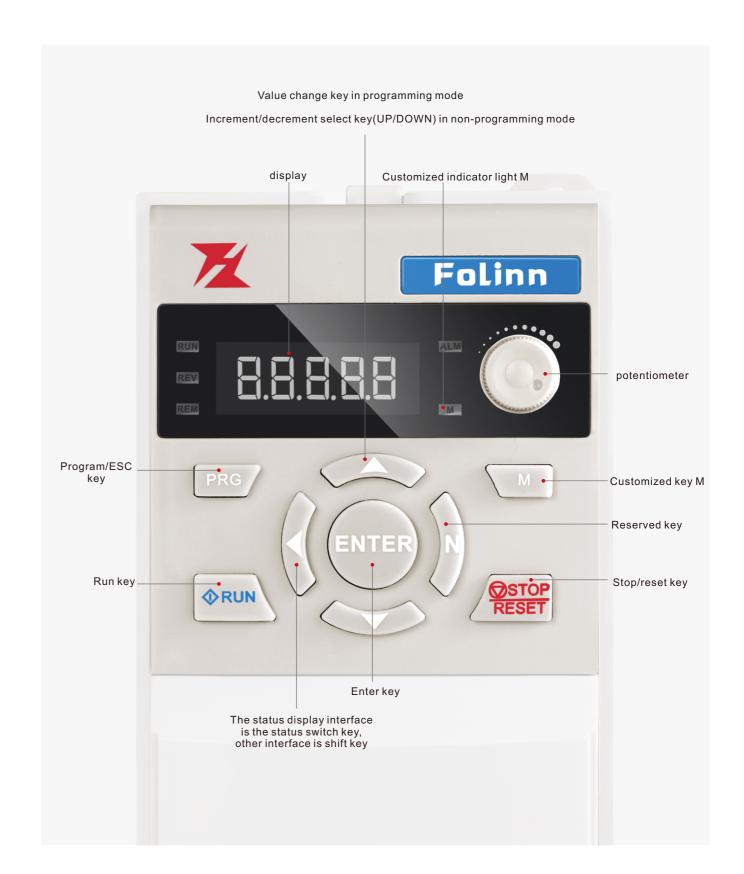
Customization cost rationalization according to industry characteristics and customer demands



European terminal

no need special tools, easy connection, save time

PANEL INTRODUCTION



TECHNICAL SPECIFICATIONS

Iz/60Hz
Z/OUTZ
voltage
1000Hz
rrent 2s
//F/SVC
dulation
e motor sing)
d torque
sorless)
cy ±1%
ncy ±1%
S-curve
prevent
sorless)
nication
nication
ng+PID
eakage,
JS RTU
age, ent fault
support
ble gas,
crease.
c~50°C)
nsation
~+70°C
/s(0.6g)
a a err

EXCELLENT PERFORMANCE

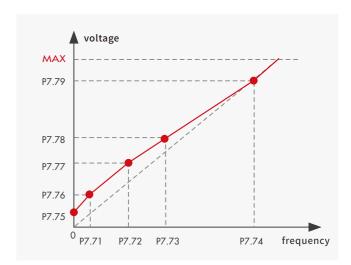
Compatibility drive:

Applicable to asynchronous motor, synchronous motor and single motor



Adaptive vector control

Vector performance, VF convenience. The motor parameters are not sensitive and do not need self-learning.



Wide range vector control

Frequency range 0-1000Hz, applicable to more motors, and ensures high performance when running with high speed



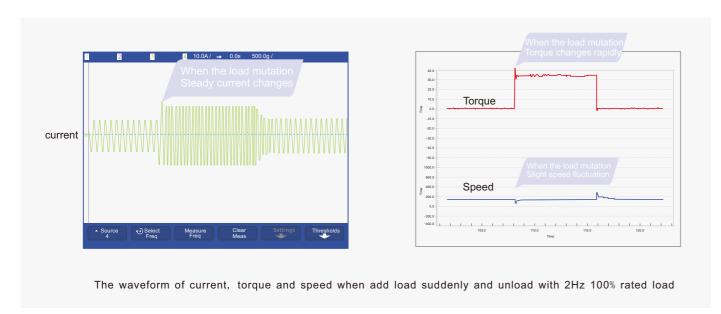
High carrier frequency

Max.16Hz, motor can work more quietly.



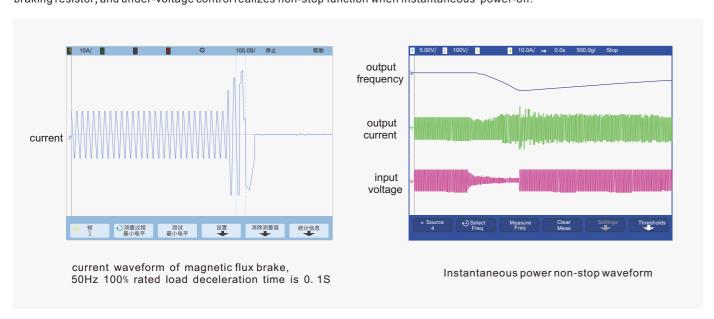
Fast current control

High dynamic response speed (15mS), fast start-up speed, small speed fluctuation.



Bus voltage control:

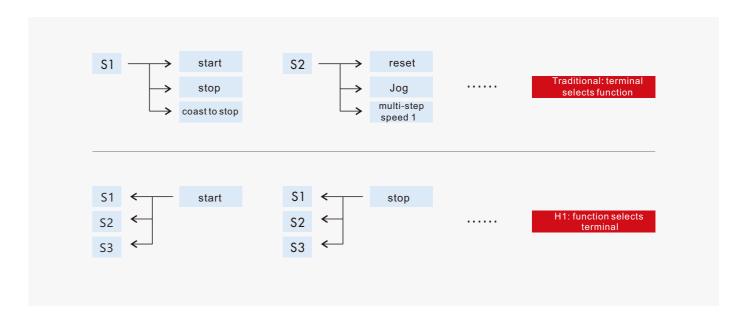
Over-voltage control ensures deceleration at the fastest speed, magnetic flux braking realizes rapid deceleration when there is no braking resistor, and under-voltage control realizes non-stop function when instantaneous power-off.



POWERFUL FUNCTION

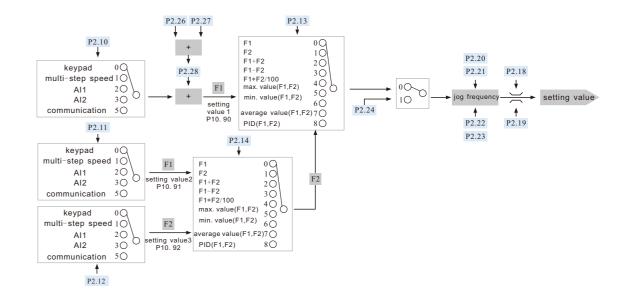
Easy to operate:

Select terminal source according to the required function, saving the number and type of terminal



Flexible function:

Flexible combination of setting values and commands, easily adapt to different applications



Abundant extended functions:

Provide various key-pad, communication, encoder, IO interface and other extension cards.

External operation panel type



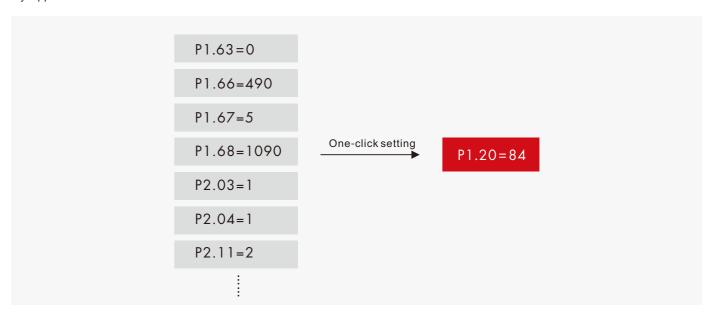


Standard function card

Physical characteristi	Function Card											
	H10001	H10002	H10003	H10004	H10005	H10006	H10007	H10008	H10009	H10010	H10011	H10012
Digital input	4	3	4	8	2	2	3	2	2	4	4	3
Digital output								4	4			
Relay output	1		3	1	1	1	1	1	1	1	1	1
Analog input	1		1		2			1	1	1	1	1
Analog output	i				2			1	1			
Pulse input						1						
Pulse output						1						
Encoderinput							1					
MODBUS	1	1	1	1	1	1	1	1	1	1	1	1
PROFIBUS								1				
CANBUS									1			
Bluetooth										1		
GPRS											1	
STO												1
Typical applic	cations											

Application customization:

Complex application functions can be realized by programming, and customized function call can be realized by application macro



Maintenance tools:

PC upper computer, mobile app and other tools provide perfect monitoring, configuration, optimization and diagnosis services



SOLID HARDWARE

Independent air duct:

No forced wind flows through the components, improving environmental adaptability.



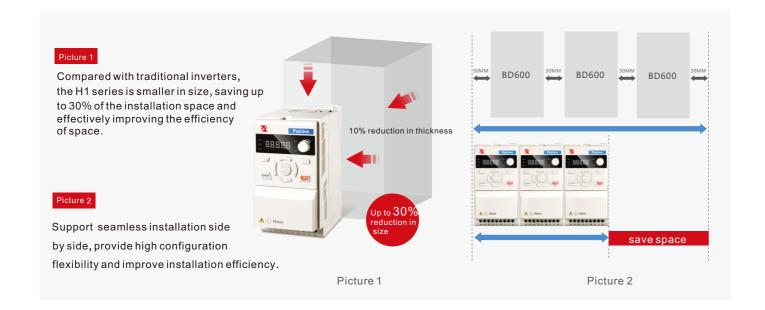
Fast and tight protection:

Short circuit fault, input / output phase loss, overload, leakage, etc., fully protect the inverter and motor.



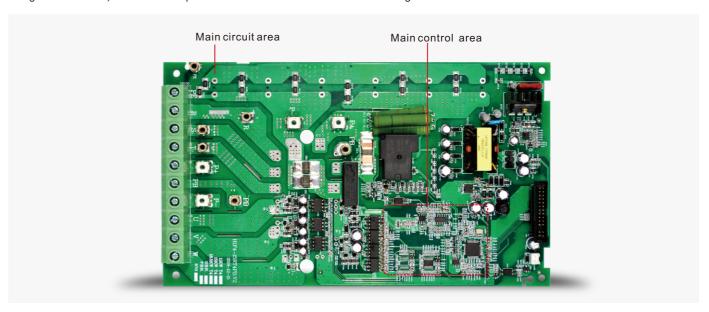
Delicate heat dissipation design:

Compact size and easy installation.



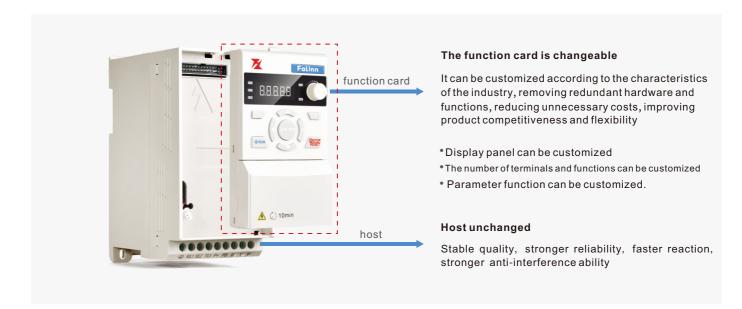
Integrated design:

Reduce the number of boards and flying wires, eliminate potential fault points with the greatest extent, and maximize performance the electrical and EMC with high-efficient.



Customization:

According to industry customization, remove redundant functions, cost is more reasonable, and quality is more stable.



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Packing machine Packing machine Ceramic machinery Carving machine







SOME APPLICATIONS

Folinn H1 series inverter is widely used in textile machine, packing machine, carving machine, printing machine, solar water pump, food machinery, woodworking machinery, water pump fan and ceramic machinery, providing better solutions















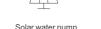






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ceramic machinery, providing better solutions



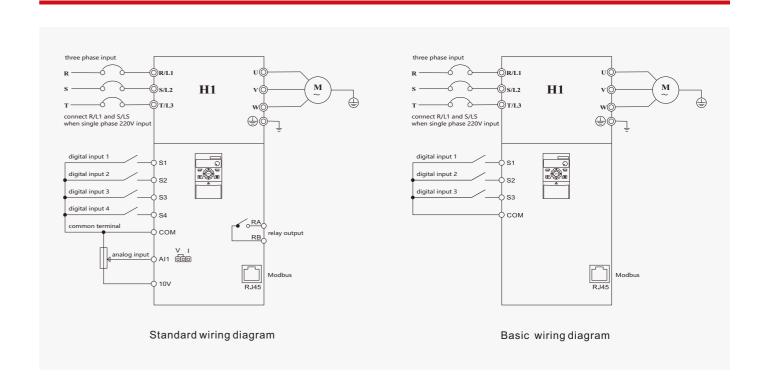
Food

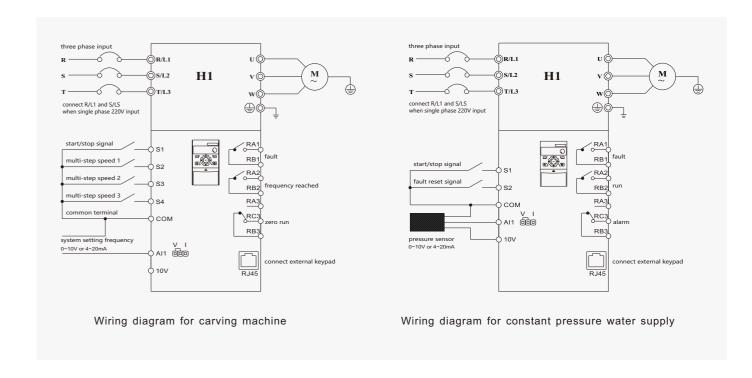


Cerami machine

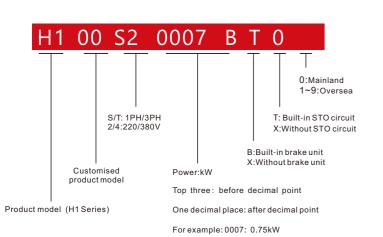
Others

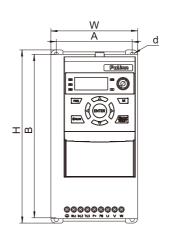
CONNECTION MODE

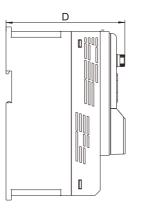












TECHNICAL PARAMETERS

Frama Na	Dimensions(mm)								
Frame No. —	W(Width)	H(Height)	D(Depth)	Α	В	d			
F1	85	170	124	67.3	158	5			
F2	97	194	133	85	184	5			
F3	126	237	147	112	223	5			
F4	168	298	160	154	283	6			
F5	198	355	177	183	338	6			

Models and specifications

Frame No.	Models	Input voltage	Input current(A)	Power(KW)	Output current(A) Adaptive motor(KW
	H100S20007BX0	1PH 220V	8.2	0.75	5.0	0.75
F1 -	H100S20015BX0	1PH 220V	14.0	1.5	7.0	1.5
F2	LIA OOTOOOODVO	1PH 220V	23.0	0.0	40.5	2.2
	H100T20022BX0	3PH 220V	13.5	2.2	12.5	
F3	H100T20037BX0	1PH 220V	38.6	0.7	45.0	
		3PH 220V	16.5	3.7	15.2	3.7
	H100T40007BX0	3PH 380V	4.0	0.75	3.0	0.75
F1	H100T40015BX0	3PH 380V	5.8	1.5	4.5	1.5
	H100T40022BX0	3PH 380V	6.5	2.2	5.6	2.2
F2	H100T40040BX0	3PH 380V	12.6	4.0	10.5	4.0
	H100T40055BX0	3PH 380V	16	5.5	14	5.5
F3	H100T40075BX0	3PH 380V	21	7.5	19	7.5
	H100T40110BX0	3PH 380V	28	11	26	11
F4 -	H100T40150BX0	3PH 380V	36	15	33	15
	H100T40185BX0	3PH 380V	42	18.5	40	18.5
F5 -	H100T40220BX0	3PH 380V	48	22	46	22

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