S1000系列 迷你简易型
机型外观尺寸超小,迷你精巧
轻巧紧凑设计,操作方便

S1000 Series mini type
Ultra-small size,exquisite
Compact and lightweight design, easy to operate
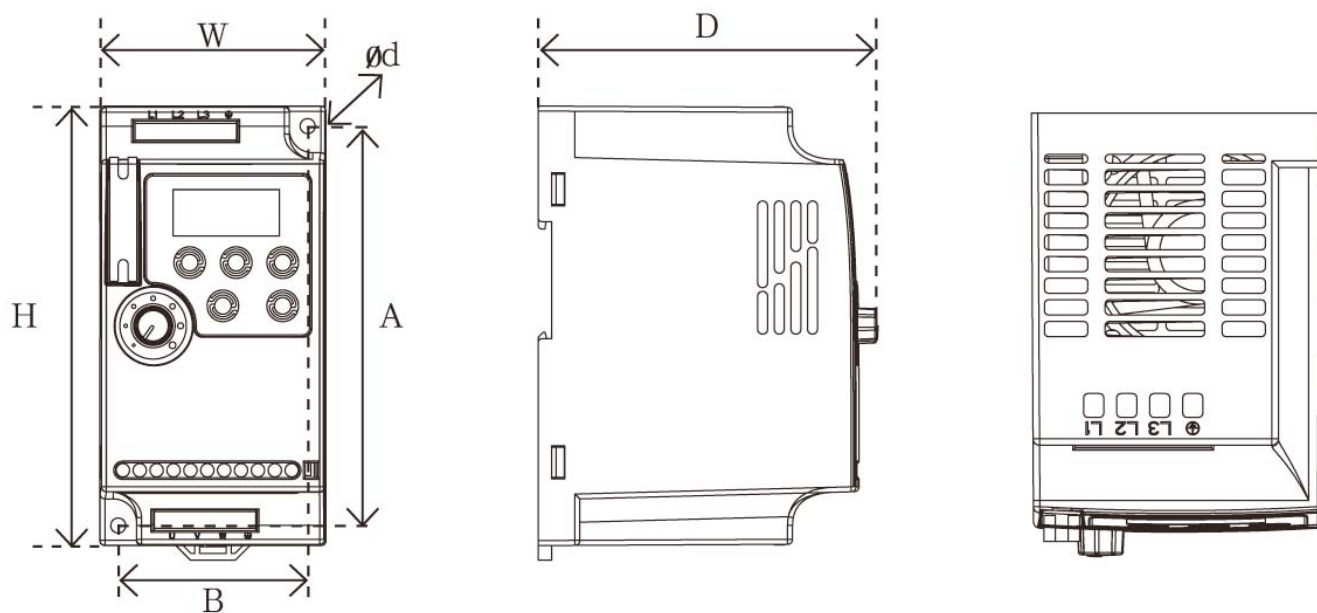
▶ **产品特性参数(Specification)**

项目名称		S1000
输入 (input)	额定电压、频率(Voltage/frequency)	1PH/3PH AC220V 50/60Hz; 3PH AC380V 50/60Hz
	电压允许范围(Voltage range)	220V:170V~240V; 380V:330V~440V
输出 (output)	电压(Voltage)	220V:0~220V; 380V:0~380V
	频率(Frequency)	0.1~400.0Hz
	控制方式(Control)	空间矢量、V/F控制(Space vector,V/F Control)
	显示(Display)	四位数码管显示、指示灯显示、显示设定频率、输出频率、输出电流、转动方向、转动速度、故障等 (Four digital tube display, LED display, displaying set frequency, output frequency, output current, rotation, rotation speed, fault, etc)
控制特性 (Feature)	输出频率范围(Frequency)	0.1~400.0Hz
	频率设定分辨率(frequency resolution)	数字设定0.10Hz,模拟设定:最大输出频率的0.1% (Digital set 0.10 Hz, analog set: 0.1% of the maximum output frequency)
	输出频率精度(frequency accuracy)	0.1Hz
	V/F控制(V/F control)	可任意设定V/F曲线,满足各种负载的需要(free to set V/F curve , meet the needs of all kinds of load)
	转矩控制(torque boost)	自动提升:根据负载情况,自动确定转矩提升; (Automatic promotion: according to the load conditions, automatically determine the torque boost); 手动提升:可设定0.0~20.0%转矩提升(Manual operation: 0.0 ~ 20.0% can be set for torque boostg)
	多功能输入端子 (Multi-function input terminals)	4个多功能输入端子,实现15段速控制,程序运行4段加减速切换,UP/DOWN功能、急停等功能 (Four multifunctional input terminals, realize 15 segments of speed control, the program runs 4 period of accelerate and decelerate switchover, UP/DOWN function, sudden stop function, etc)
	多功能输出端子 (Multi-function output terminals)	有1个多功能输出端子,实现运转中、零速、外部异常、程序运行等指示剂警报输出 (multifunctional output terminal real indicator alarm output of in-operation, , zero speed ,external anomalies, program runs)
	加/减速时间设置 (Acceleration/ deceleration time setting)	0~999.9S可分别设置加/减速时间 (0 ~999.9S respectively set acceleration/deceleration time)
其他功能 (other function)	PID控制 (PID control)	内置PID控制 (built-in PID control)
	RS485	标准RS485通信功能(MODBUS) (Standard RS485 communication function (MODBUS))
	频率设定 (frequency setting)	模拟量0~10V、4~20mA、键盘直接设定、RS485给定、UP/DOWN给定等多种方式 (Analog0~10V, 4~20mA, keyboard directly set, RS485 , UP/DOWN set etc.) 注意:AVI端子可通过切换开关J2来选择模拟电压输入(0~10V)和模拟电流输入(4~20mA) (Note: AVI terminal choose the analog input voltage(0~10V)and analog input(4~20mA) current by switching switch J2)
	多段速(Multiple speed)	4个多功能输入端子,可组成15段速(four multifunctional input terminals combine up to 15 speed)
	自动稳压(automatic voltage regulation)	根据需要,可选择自动稳压功能(choose automatic voltage regulation according to need)
	计数器(counter)	内置2组计数器(built in two sets of counter)
保护功能 (protection)	过载保护(overload protection)	恒转矩150%/1分钟,变转矩120%/1分钟(Constant torque 150% / 1 minute , variable torque 120% / 1 minute)
	过压保护(overvoltage protection)	过压保护可设定(capable to set overvoltage protection)
	欠压保护(undervoltage protection)	欠压保护可设定(capable to set undervoltage protection)
	其他保护(other protection)	短路保护、过流保护、参数锁定等 (Short circuit protection, over current protection, parameters lock, etc)
环境 (environment)	环境温度(ambient temperature)	-10℃至40℃(不结冰) (- 10 ℃ to 40 ℃ (no-freezing)
	环境湿度(ambient humidity)	95%以下(不结露)-Below 95% (no condensation)
	海拔(altitude)	1000m以下(超过1000m,需降档使用) (Below 1000 m (need to de-rating when more than 1000 m)
	振动(vibration)	0.5G以下 (below 0.5G)
结构 (structure)	冷却方式(cooling)	强制风冷(Forced air cooling)
	防护等级(enclosure protection)	IP20
	安装方式(installation)	壁挂式,标准35mm导轨安装 (Wall-mounted, standard 35 mm Din rail mounting)

▶ 型号及外观尺寸(Model and dimension)　　　　　　Unit:mm

变 频 器 型 号(Model)	功率 Power(KW)	输出电流 current(A)	外形尺寸(Size)(mm)			安装尺寸 mounting size(mm) AXBXΦd	备注 (Notes)
			W(宽)	H(高)	D(厚)		
S1200-0R4G/1R5G	0.4/1.5	2.5/7	68	132	102	120*57*Φ4.5	壁挂式 wall-mounted
S1200-2R2G	2.2	11	72	142	112.2	130*61*Φ4.5	
S1400-0R7G/2R2G	0.7/2.2	5/11					

*注明:具体尺寸请咨询厂家,如有更改恕不另行通知;:

▶ S1000系列变频器基本配线图(VFD S1000 Series Connection)

电源接入(Power supply)

L1
L2
L3

注意：当使用单相电源时，
请从L1和L2端子接入
(Notes: please connect L1 and
L2 when use single-phase
power supply)

(Clockwise/stop)
正转/停止
(Reverse/stop)
反转/停止
(Abnormal/reset)
异常/复位
多段速指令1
(Multi speed instruction1)

FWD
REV
S1
S2

Multi-function
input
terminal

多功能输入端子

Signal common terminal
信号共同端子

GND

E

Power for frequency setting
频率设定用电源
+10V

AVI (0~10V)

(4~20mA)

GND

Potentiometer
3
电位器
2
1

J2

I   AVI   V

模拟量输入端子
Analog input terminal

U
V
W

M

3phase motor
三相电机

E

RA

RC

Multi-function relay output terminals
多功能继电器输出端子
250VAC/30VDC/3A

RS+
RS-

GND

通讯端子
Communication terminal

◉ 为主回路端子
Main circuit terminal

• 为控制回路
Control circuit

请使用屏蔽线
Use shielded wire