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### Frequency Inverter Catalog



# Quality



Full automatic spraying



Quality

# SOCOO

### Advantages

01

### **Carrying capacity**

**120%** Rated current and below ——Continuous working 150% Rated current, 120s 160% Rated current, 60s 180% Rated current, 10s 200% Rated current, 1s





07

Fast dynamic response and stable torque output More than 30 fault protection functions are built to ensure the stable and safe operation

of the system.



#### Strong starting Torque

0.5Hz/150%, Open loop control 1Hz/100%, V/f Control





#### Low Temperature rise

Fully equipped with cooling fans and radiators.(<40°C **O**ptimization design by thermal simulation software.

The temperature rise of the whole series controlled within 40 °C.



05

#### **New Design**

The whole series adopts narrow body structure design. High power density. Save installation space.



08

Stable, reliable and durable.

Select components in full, never cut corners, and strive to provide customers with value-added products.

has better waterproof, dustproof and anti-corrosion performance. Independent air duct design is adopted to



Optimized speed tracking function; Realize the smooth restart of the running motor.



**B**uilt in timing, length and counting functions; Meet a variety of special applications.



New hardware design ideas. Reasonable selection and layout of components. High stability and excellent performance.







Quality











### Technical Feature

### Input & Output

Input Voltage	1PH 220V (+15%)
	3PH 220V (+15%)
	3PH 380V (+15%)
Input Frequency	50/60Hz ±5%
Output Voltage	O~input voltage, Deviation less than $\pm 3\%$
Output Frequency	0~600Hz

### **Control Feature**

Control mode	V/F Control,Open Loop Control	
	120% Rated current and below, Continuous working	
Carrying capacity	150% Rated current, 120s	
	160% Rated current, 60s	
	180% Rated current, 10s	
	200% Rated current, 1s	
Starting torque	0.5Hz 150%(V/F)	
Starting torque	0.25Hz 180%(Open loop)	
Speed coourcov	±0.5%(V/F Control)	
Speed accuracy	±0. 2%(Vector Control)	
Torque response	<10ms	
Carrier frequency	0.5~16.0KHz	
ACC/DEC MODE	4 types Acc/Dec time(0.1~3600.0s)	
Simple PLC	Up to 16 speed control is realized through built-in	
Multi-Speed	PLC or control terminal	
PID Function	Built-in dual PID function	
Communication	Modbus RTU	

### Environment

Installation	No direct sunli explosive, abs no accumulati
Altitude	0~2000 m After exceedir derated by 1%
Environment Temp.	-10~+50°C
Storage Temp.	-20~+60°C
Relative Humidity	5%~95%,No c

#### Feature

Feature

AVR Auto voltage regulation

Build-in Torque Control

**V/F** Voltage frequency separation control

The speed tracking function can smoothly restart the running motor

More than 30 kinds of perfect fault protection functions such as overload, overcurrent, overvoltage, undervoltage and fault

Performance

light, no corrosive, combustible, sorbent dust substances, and tion of wool flocs

Quality

ing 1000m, the output will be % every 100m

condensation

voltage input

06≫

## SC20 & SC20-M



Based on years of experience in frequency inverter R & amp; D and application, two simple and economical frequency converters are launched, both of which have high cost performance. Its structure design is compact, and its hardware and software design fully considers the requirements of overheating and overload in practical application. It has been mature and applied in many industrial sites.



### Dimension& Diagram





SC20-M type has no build-in braking unit



 Assembly line, fan, water pump, food, printin and other low-power application industries.



SC20 Type has no build-in braking unit



Quality

Assembly line, fan, water pump, food, printing and dyeing, ceramics, packaging, pharmaceutical





### Application field











Motor Solution



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