

Frequency Inverter Catalog



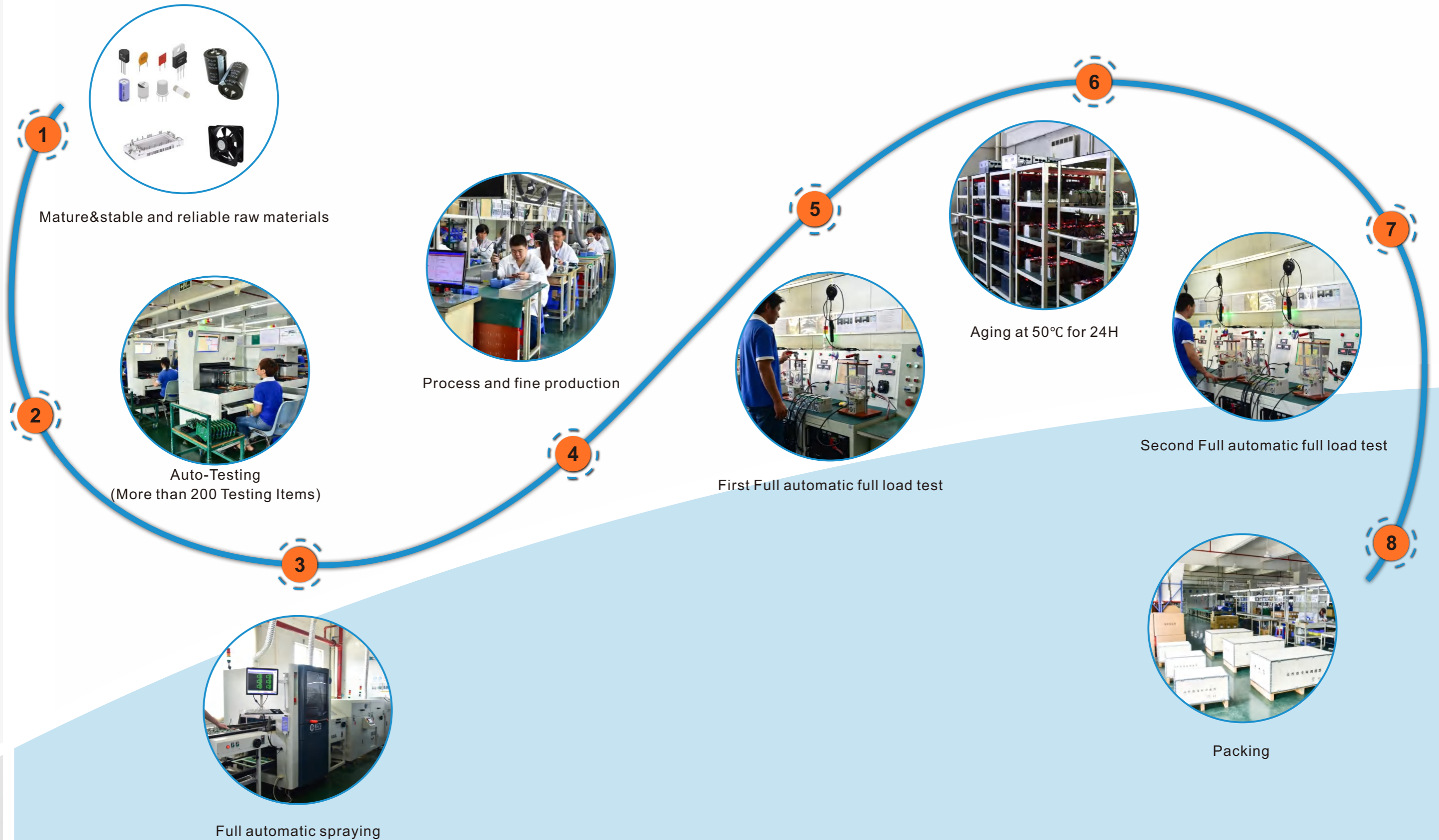
Shenzhen Socon Electric Co.,Ltd.

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Quality



Advantages

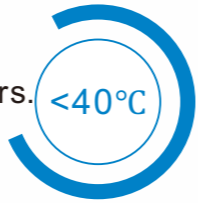
01 Carrying capacity
120% Rated current and below
 ——Continuous working
150% Rated current, 120s
160% Rated current, 60s
180% Rated current, 10s
200% Rated current, 1s



02 Strong starting Torque
0.5Hz/150%, Open loop control
1Hz/100%, V/f Control



03 Low Temperature rise
 Fully equipped with cooling fans and radiators.
 Optimization design by thermal simulation software.
 The temperature rise of the whole series controlled within 40 °C.



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



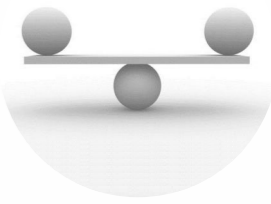
05 Optimized function design
 New hardware design ideas.
 Reasonable selection and layout of components.
 High stability and excellent performance.



06 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.



07 International and domestic first-class components,
 Stable, reliable and durable.
Select components in full, never cut corners, and strive to provide customers with value-added products.



08 The automatic three proof paint spraying line adopts high-quality three proof paint, which has better waterproof, dustproof and anti-corrosion performance.
 Independent air duct design is adopted to effectively isolate external dust and better environmental adaptability.



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



10 Built in timing, length and counting functions; Meet a variety of special applications.

Technical Feature

Input & Output

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

Control Feature

Control mode	V/F Control, Open Loop Control
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
Starting torque	0.5Hz 150%(V/F)
	0.25Hz 180%(Open loop)
Speed accuracy	±0.5%(V/F Control)
	±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 Multi-Speed	Up to 16 speed control is realized through built-in PLC or control terminal
PID Function	Built-in dual PID function
Communication	Modbus RTU

Environment

Installation	No direct sunlight, no corrosive, combustible, explosive, absorbent dust substances, and no accumulation of wool flocs
Altitude	0~2000 m
	After exceeding 1000m, the output will be derated by 1% every 100m
Environment Temp.	-10~+50°C
Storage Temp.	-20~+60°C
Relative Humidity	5%~95%, No condensation

Feature

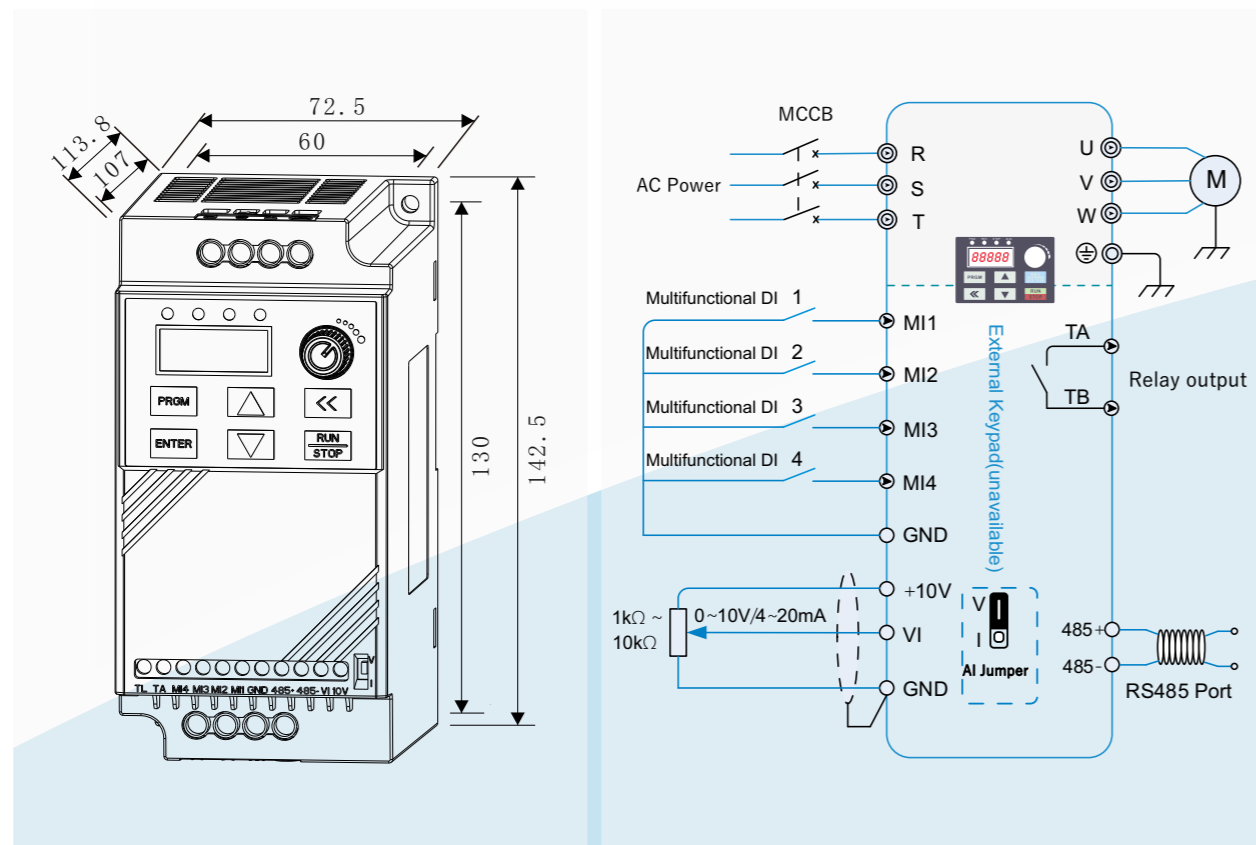
Feature	Wide range of voltage input
	AVR Auto voltage regulation
	Build-in Torque Control
	V/F Voltage frequency separation control
	The speed tracking function can smoothly restart the running motor
	More than 30 kinds of perfect fault protection functions such as overload, overcurrent, over-voltage, undervoltage and fault

SC20 & SC20-M

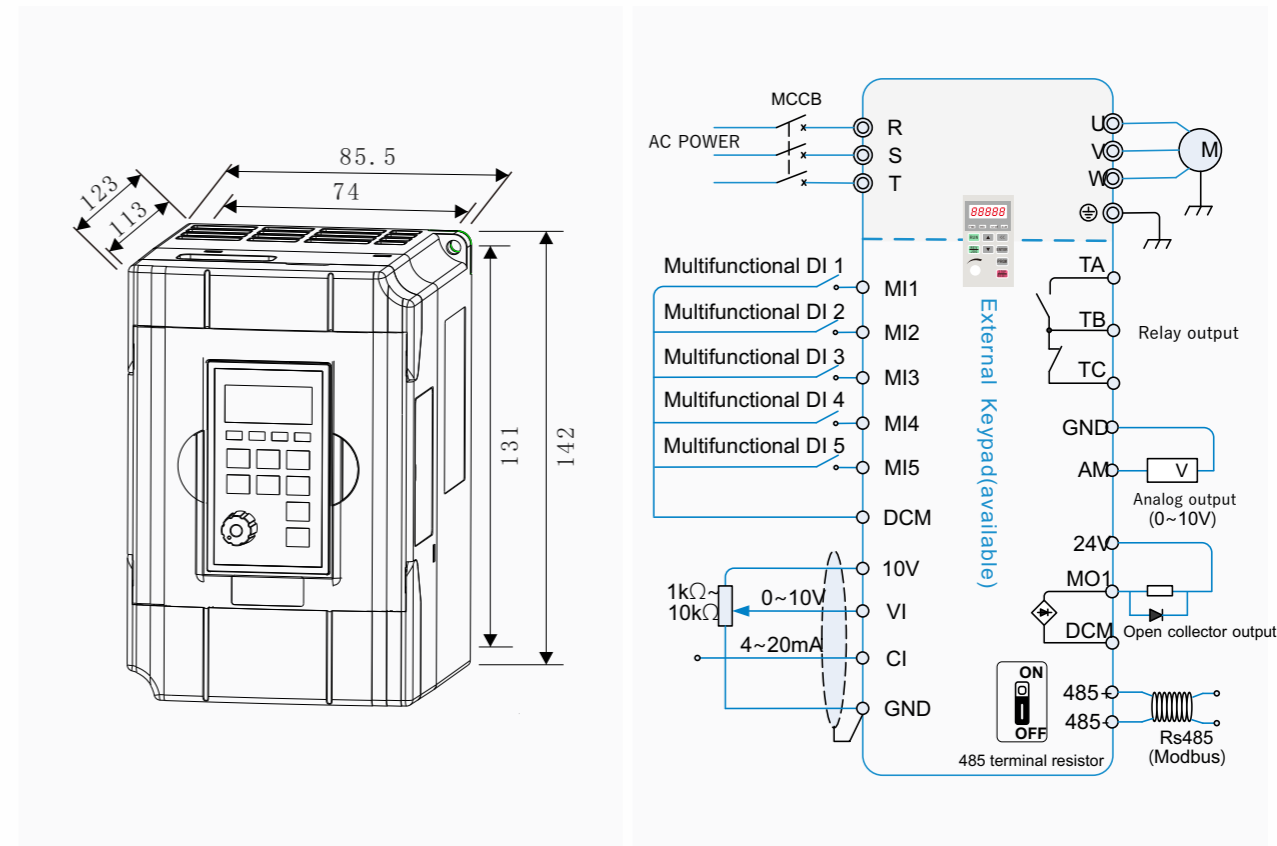


Based on years of experience in frequency inverter R & D and application, two simple and economical frequency converters are launched, both of which have high cost performance. Its structure design is compact, and its hardware and software design fully considers the requirements of overheating and overload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

Dimension & Diagram



▶ SC20 Type has no build-in braking unit



▶ SC20-M type has no build-in braking unit

Applications

▶ Assembly line, fan, water pump, food, printing and dyeing, ceramics, packaging, pharmaceutical and other low-power application industries.



Application field



Printing & Dyeing



Packing



Rubber machinery



Textile



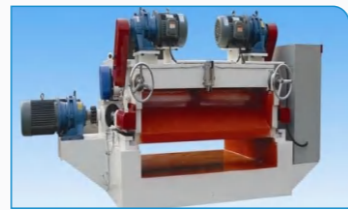
Industry washer



Water supply



Motor Solution



Wood machine



Hoisting industry



Ball mill



Stone industry



Oilfield industry



Building elevator

Business Network



SOCON