



SOJI FREQUENCY CONVERTER

2KVA ~ 10.000KVA

BROCHURE

 **Soji**[®]

DESIRING ALWAYS

SOJI FREQUENCY CONVERTER

2KVA ~ 10.000KVA



Ideal applications

Aviation, Lab, Appliance Manufacturer, Medical Treatment, IT Industry, Motor Manufacturer, Scientific Research unit.

Features

- 50Hz 60Hz or 400Hz input frequency
- 0-300VAC output voltage (selectable)
- 40HZ to 499.9Hz output frequency range
- Programmable key lock setting output frequency
- Easy-to-read LEDs display output voltage, frequency
Ampere, Wattage & Power factor
- Stable true sine wave output
- Self-detection at power on
- Galvanic isolation. No Harmonic Distortion
- PWM technology minimizes the volume and weight
- IGBT technology increases the efficiency and reliability, eliminates the noise
- Capable of generating all kinds of frequencies used in all countries
- 300% overload capability
- Breaker/alarm for overload, over temperature and short circuit protection
- Suitable for use with RC, RL and non-linear loads



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|------------------|--|
| 1 Frequency | 6 OFF/Reset Switch |
| 2 Voltage | 7 Output Frequency/Programmable Key |
| 3 Ampere | Lock Setting; Provides Accurate & Stable Frequency |
| 4 Wattage | 8 0~150V(Low)/0~300V(High) Output Voltage Selector |
| 5 Input Power On | 9 10-Turns Output Voltage Adjustable Knob |

Tests for product

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| <ul style="list-style-type: none"> ■ Standard power source for EMI/EMC/safety testing ■ QA/QC/Life & safety test ■ Electric machinery product test ■ Superior AC power source for R&D/Laboratory ■ Switchmode power supply test ■ AC fan test ■ Transformer test ■ Compressor test | <ul style="list-style-type: none"> ■ Motor test ■ Air conditioner test ■ Copier/OA Equipment test ■ Computer/monitor/scanner & peripherals test ■ Triac/SCR test ■ (Home) electrical appliances ■ Electronic ballast test |
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SPECIFICATIONS

Model		SJ-6FC	SJ-10FC	SJ-15FC	SJ-30FC	SJ-100FC	SJ-200FC	SJ-450FC	SJ-600FC	SJ-1000FC	SJ-1600FC	
Capacity (KVA)		6	10	15	30	100	200	450	600	1000	1600	
Circuit model		IGBT/SPWM pulse width adjustment mode										
Input voltage		200V±10% 1P			400V±15% 3P4W							
Input frequency		45-65Hz										
Output frequency		60Hz										
Load stability		≤±1%										
Frequency stability		fixed-frequency ≤± 0.01%, frequency modulation ≤± 0.1%										
Output voltage		10 - 500V continuous-tuning										
Wave distortion		≤2.8%										
Reaction time		≤2mS										
DPI (dots per inch)	Frequency meter	0.1Hz										
	Voltage meter	0.1V										
	Current meter	0.1A										
	Power meter	0.1W										
Ammeter display		Frequency, voltage, current, power or PF 4 number display										
Protection function		Over voltage, over current, over temperature, over load, short circuit, and automatic alarm										
Insulation reactance		500Vdc 20MΩ										
Pressure endurance insulation		1500Vac/5mA/1min										
Cooling model		Compulsive fan cooling										
Working temperature		-10°C - 45°C										
Relative humidity		0-90% (No condensing)										
Altitude		1500 meters										
IP Class		IP20 (IP54 optional)										
Dimension (W x L x H) mm		660x400 x700	450x900x900	500x1100 x1100	1320x600 x1490	850x1450 x1880	1160x1910 x1880	1000x4000x2260	1000x6000 x2260			

SPECIFICATIONS

Model	SJ-3000FC	SJ-5000FC	SJ-10000FC
Capacity (KVA)	3000	5000	10000
Input voltage	400V±15% 3 phase 4 wires or 3 phase 5 wires		
Input frequency	45-65Hz		
Input power factor	≥0.90		
Output voltage	3 phase 3 wires, voltage (300-500V/690) can be chosen		
Output frequency	50Hz/60Hz can be chosen		
Output frequency stability	≤0.01% (0-100% when load are charging, output frequency are not changing)		
Output load stability	≤3% (100% pure resistance load)		
Output overload ability	110% 1 hour, 150% 10 minutes		
Output wave distortion	Pure sine wave, THD ≤ 3%		
Efficiency	≥90% (100% loads)		
Display	Input/output voltage/frequency, 3 phase, phase voltage/current, active power, working time, history error etc.		
Control mode	IGBT/SPWM Pulse width adjustment mode		
Protection class	IP20 (IP54 optional)		
Insulation reactance	> 2MΩ		
Pressure endurance insulation	1800Vac/5mA/1min		
Noise level	50dBA@1meter		
Cooling model	Converter: heat pipe cooling	transformer: compulsive fan cooling	
Protection function	The output power supply have perfect protection function of over voltage, over current, short circuit, convert overheat. Consider the different control of the ship's electricity load, when the output load capacity each the set value, will alarm, so as to control the electricity load.		
Environment	-10°C ~ +50°C and 0 ~ 90%		

Nhà phân phối tại Việt Nam:
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