

## Основные параметры преобразователей частоты серии F2000-G

	Items	Contents
Input	Rated Voltage Range	3-phase 380V±15%; single-phase 220V±15%
	Rated Frequency	50/60Hz
Output	Rated Voltage Range	3-phase 0~380V;3-phase 0~220V
	Frequency Range	0.00~650.0Hz
V/FControl	Carrier Frequency	3000~10000Hz
	Input Frequency Resolution	Digital setting: 0.01Hz, analog setting: max frequency × 0.1%
	Control Mode	Sensorless Vector Control (SVC), VVVF control
	Start Torque	0.5 Hz / 150% (SVC)
	Speed-control Scope	1:100 (SVC)
	Steady Speed Precision	±0.5% (SVC)
	Torque Control Precision	±0.5% (SVC)
	Overload Capacity	150% rated current, 60 seconds.
	Torque Elevating	Auto Torque elevating, Manual Torque Promotion 0.1%~30.0% (VVVF)
	V/F Curve	3 kinds of modes: beeline type, square type and under-defined V/F curve.
	DC Braking	DC braking frequency: 1.0~5.0 Hz, braking time: 0.0~10.0s
	Jogging Control	Jogging frequency range: min frequency~ max frequency, jogging acceleration/deceleration time: 0.1~3000.0s
	Auto Circulating Running and multi-stage speed running	Auto circulating running or terminals control can realize 16-stage speed running.
	Built-in PI adjusting	easy to realize Convenient form a system for process closed-loop control
Automatic Voltage Rectification (AVR)	Enable to keep output voltage constant automatically in the case of change of grid voltage.	
Operation Function	Frequency Setting	Potentiometer or external analog signal (0~5V, 0~10V, 0~20mA); keypad (terminal)▲ / ▼ keys, external control logic and automatic circulation setting.
	Start/Stop Control	Passive contact switch control, keypad control or communication control.
	Running Command Channels	3 kinds of channels from keypad panel, control terminal and series communication port.
	Frequency Source	Frequency sources: given digit, given analog voltage, given analog current and given series communication port.
	Accessorial frequency Source	Flexible implementation of 5 kinds of accessorial frequency fine adjustments and frequency compound.
Protection Function	Input out-phase, Output out-phase, input under-voltage, DC over-voltage, over-current, over-load, current stall, over-heat, external disturbance	
Display	LED nixie tube showing present output frequency, present rotate-speed (rpm), present output current, present output voltage, present linear-velocity, types of faults, and parameters for the system and operation; LED indicators showing the current working status of inverter.	

### Основные параметры преобразователей частоты серии F2000-G

Environment Conditions	Equipment Location	In an indoor location, Prevent exposure from direct sunlight, Free from dust, tangy caustic gases, flammable gases, steam or the salt-contented, etc.
	Environment Temperature	-10℃ ~ +50℃
	Environment Humidity	Below 90% (no water-bead coagulation)
	Vibration Strength	Below 0.5g (acceleration)
	Height above sea level	1000m or below
Applicable Motor	0.4~400KW	