

**Details:**

F1000-G series has the advantage of high using rate of voltage, high power factor, good dynamic performance, high precision, low-noise and large-torque. Especially because of the random carrier method, the products have the capability of low noise at low frequency. Moreover, it also has the capability of coding speed control and linear speed display, and so on. F1000-G can be widely used for the fields of spinning and weaving, printing and dyeing, food, medicine and Mechanical electron.

**Main Function**

1. Combination of 16 microprocessors, space voltage vector control and random PWM control.
2. Capability of torque elevation and automatic slip compensation.
3. Output frequency 0.50-400.0Hz, the highest resolution is 0.01Hz.
4. Low-noise and random carrier.
5. Multi-speed control and jogging running.

**Product Summary of F1000-G**

Model	Applicable Motor (kw)	Rated Current Output (A)	Structure Code	Cooling Mode	Remarks
F1000-G0004S2B	0.4	2.5	B0	Self-cooling	Single-Phase Plastic Hanging
F1000-G0007S2B	0.75	4.5	B0	Air Cooling	
F1000-G0007XS2B	0.75	4.5	B0	Air Cooling	
F1000-G0015S2B	1.5	7	B2	Air Cooling	
F1000-G0015XS2B	1.5	7	B2	Air Cooling	
F1000-G0022S2B	2.2	10	B3	Air Cooling	
F1000-G0007T3B	0.75	2	B2	Air Cooling	Three-Phase Plastic Hanging
F1000-G0015T3B	1.5	4	B2	Air Cooling	
F1000-G0022T3B	2.2	6.5	B2	Air Cooling	
F1000-G0037T3B	3.7	8	B4	Air Cooling	
F1000-G0040T3B	4.0	9	B4	Air Cooling	
F1000-G0055T3B	5.5	12	B5	Air Cooling	
F1000-G0075T3B	7.5	17	B5	Air Cooling	Three-Phase Metal Hanging
F1000-G0110T3C	11	23	C1	Air Cooling	
F1000-G0150T3C	15	32	C2	Air Cooling	

F1000-G0185T3C	18.5	38	C3	Air Cooling	
F1000-G0220T3C	22	44	C3	Air Cooling	
F1000-G0300T3C	30	60	C4	Air Cooling	
F1000-G0370T3C	37	75	C5	Air Cooling	
F1000-G0450T3C	45	90	C5	Air Cooling	
F1000-G0550T3C	55	110	C6	Air Cooling	
F1000-G0750T3C	75	150	C6	Air Cooling	
F1000-G0900T3C	90	180	C7	Air Cooling	
F1000-G1100T3C	110	220	C7	Air Cooling	
F1000-G1320T3C	132	265	C8	Air Cooling	
F1000-G1600T3C	160	320	C8	Air Cooling	
F1000-G1100T3D	110	220	D0	Air Cooling	
F1000-G1320T3D	132	265	D1	Air Cooling	
F1000-G1600T3D	160	320	D1	Air Cooling	
F1000-G2000T3D	200	400	D2	Air Cooling	
F1000-G2200T3D	220	440	D2	Air Cooling	
F1000-G2500T3D	250	490	D3	Air Cooling	
F1000-G2800T3D	280	550	D3	Air Cooling	
F1000-G3150T3D	315	620	D3	Air Cooling	
F1000-G3550T3D	355	700	D3	Air Cooling	
F1000-G4000T3D	400	800	D4	Air Cooling	

### Technical Specifications for F1000–G Series Inverters

	Items	Contents
Input	Rated Voltage Range	3-phase 400V±15%; single-phase 230V±15%
	Rated Frequency	50/60Hz
Output	Rated Voltage Range	3-phase 0~400V; 3-phase 0~230V

	Frequency Range	0.50~400.0Hz
V/FControl	Control Mode	Linear V/F control; space voltage vector+random PWM
	Frequency Resolution	Max 0.01Hz, adjustment allowed
	Torque Promotion	Torque Promotion curve (V/F) can be set within 1~16;
	Stall Prevention	Current output is restricted, and threshold current can be adjusted.
	Overload Capacity	150% rated current, 1minute
Operation Function	Frequency Setting	Potentiometer or external analog signal (0~5V, 0~10V, 0~20mA); keypad (terminal)▲ / ▼ keys, external control logic and PLC setting.
	Start/Stop Control	Passive contact switch control or keypad control
	Frequency Change Rate	0.1~3000S (time required for certain frequency change)
Protection Function	Input 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.	
Environment Conditions	Equipment Location	Free of tangy caustic gases or dust
	Environment Temperature	-10℃~+50℃
	Environment Humidity	Below 90% (no water-bead coagulation)
	VibrationStrength	Below 0.5g (acceleration)
	Height above sea level	1000m or below
Applicable Motor	0.4~400KW	