

# G1000

<b>General</b>	<p><b>Input voltage: 220V 0.7kW-2.2kW 380v 0.7kW-2.2kW</b></p> <p><b>Control Mode : Space vector, V/F control</b></p> <p><b>Start Torque : 0.0~20.0%</b></p>
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Specification	Items	Specifications
<b>Input</b>	<b>Nominal voltage &amp; frequency</b>	Single-phase, three-phase AC220V,AC380V 50/60Hz
	<b>Allowable voltage range</b>	Single-phase, three-phase AC170~240V;AC340~440V
<b>Output</b>	<b>Voltage</b>	220V:0~220V;380V:0~380V
	<b>Frequency</b>	0.1~400.0Hz
<b>Control mode</b>	Space vector, V/F control	
<b>Display</b>	Quadbit nixie tube display & indicator display: set frequency, output frequency, output current, rotating direction, rotating speed and fault, etc.	
<b>Working conditions</b>	Environmental temperature: -10°C~40°C (non-freezing) Relative humidity: 90% below (non-condensing) Altitude: 1000m below Vibration: 0.5G below	
<b>Structure</b>	Cooling mode: forced air cooling Protection grade: IP20	
<b>Installation</b>	Wall-mounted	

function	Control characteristics	Specifications
	<b>Frequency setting resolution</b>	Digital setting: 0.1Hz, simulated setting: 0.1% of the maximum output frequency
	<b>Output frequency accuracy</b>	0.1Hz
	<b>V/F control</b>	V/F curve can be freely set to comply with various loads.
	<b>Torque control</b>	Automatic boosting: the torque boosting can be fixed automatically according to the actual load; Manual boosting: 0.0~20.0% torque boosting is settable.
	<b>Multifunctional input</b>	6 multifunctional input terminals for 15-step speed control, programmed operation, 4-step accelerating or decelerating switch, UP/DOWN and emergency stop functions, etc.
	<b>Multifunctional output</b>	2 multifunctional output terminals for indicating and warning for operating, null speed, external irregularity and

			programmed operation, etc.
		Accelerating/ decelerating time setting	0~999.9s separately settable accelerating/ decelerating time
	Other functions	Built-in PID control and 2 counter units, standard RS485 communication function and selectable automatic voltage regulation; Frequency setting mode: analog quantity 0~10V, 0~20mA, manipulator setting, RS485 setting and up/down setting, etc	
	Protective functions	Overload protection: 150% constant torque for 1 minute, settable over-voltage/ under-voltage protection; Other protections: overheat protection, short circuit protection, overcurrent protection and parameter lock, etc.	