Item		Specifications
Basic Functionalist	Highest frequency	Vector control: 0 ~ 300 Hz; V/F control: 0: 500Hz
	Carrier frequency	0.5kHz ~ 16kHz The carrier frequency can be automatically adjusted according to the load characteristics.
	Input frequency resolution	Digital setting: 0.01 Hz Analog setting: highest frequency * 0.025 %
	Control mode	1: Open loop vector control 2: Close loop vector control 3: V/F control
	Start torque	G type: 0.5 Hz / 150 % P type: 0.5 Hz / 100 %
	Speed control range	1: 100
	Speed stabilization accuracy	±0.5%
	Torque control accuracy	±5%
	Overload capacity	G: 150 % rated current 60s; 180 % rated current 3s.
	Torque increase	Automatic torque increase; The manual torque is increased by 0.1 % - 30.0 %
	V/F curve	Three ways: linear; Multipoint type; N - power V/F curve (power 1.2, power 1.4, power 1.6, power 1.8, power 2)
	V/F separation	Two methods: full separation and half separation
	Acceleration and deceleration curve	Straight line or S curve acceleration and deceleration mode. Four kinds of acceleration and deceleration times, The acceleration and deceleration time range is 0.0 to 6500.0 S.
	DC brake	DC braking frequency: 0.00 Hz ~ maximum frequency Braking time: 0.0s ~ 36.0s Brake action current value: 0.0 % - 100.0 %
	inching	Inching frequency range: 0.00 Hz ~ 50.00 Hz. Inching acceleration and deceleration time 0.0s ~ 6500.0 s.
	Simple PLC, multi-stage speed operation	Up to 16 - speed operation via built-in PLC or control terminal
	Built - in PID	Closed-loop control system capable of conveniently realize process control
	Automatic voltage regulation (AVR)	When the grid voltage changes, the output voltage can be automatically kept constant.
	Over - voltage and over-loss rate control	Automatically limit the current and voltage during operation to prevent frequent over current and Over voltage trips.
	Fast current limiting function	Minimize over-current faults and protect the normal operation of the frequency inverter
	Torque limitation and control	The " excavator" feature automatically limits the torque during operation to prevent frequent over current trips; Open loop vector mode can realize torque control

Individualized performance	Outstanding performance	Using high performance current vector control technology to realize asynchronous motor control
	Stop at once	When the instantaneous power failure occurs, the load feedback energy compensates for the voltage drop and the frequency inverter will continue to operate for a short period of time.
	Fast current limiting	Avoiding frequent over current faults of the frequency inverter
	Timing control	Timing control function: set the time range from 0.0 min to 6500.0 min
	Switch between two motors	Two sets of motor parameters can realize switching control of two motors
	Bus support	Supports a variety of fieldbus: RS - 485, PROFIBUS
Running	Command source	Operation panel setting, control terminal setting, serial communication port setting. Can be switched in various ways
	frequency source	Multiple frequency sources: digital setting, analog voltage setting, analog current setting, pulse setting, serial port setting. Can be switched in various ways
	Auxiliary frequency source	Various auxiliary frequency sources. Can flexibly realize auxiliary frequency fine tuning and frequency synthesis
	Input terminal	Standard 7 digital input terminals, of which 1 supports high-speed pulse input of up to 100 khz; Three analog input terminals, one supporting only 0 ~ 10v voltage input, one supporting 0 ~ 10v voltage input or 4 ~20mA current input, 1 analog input terminal, supporting 0 ~ 10v voltage input
	Output terminals	1 high-speed pulse output terminal (optional open collector type), supporting square wave signal output of 0 ~ 100 khz 1 digital output terminal 1 relay output terminal 2 analog output terminals to support 0 ~ 20ma current output or 0 ~10v voltage output
Environment	Place of use	Dust - free, metal dust, corrosive gases, flammable gases, oil fog, salt fog, water vapor, dripping direct sunlight - free indoor
	Altitude	Below 1,000 meters
	Ambient temperature	-10℃ ~ 40℃
	Humidity	Less than 90 % RH without condensation
	Vibration	Less than 0.5g.
	Storage temperature	-25℃ ~ 65℃
	Protection grade	IP20