



## General Specification

<b>Main Control function</b>	Modulation models	Optimized space voltage vector SVPWM modulation
	Control models	Space voltage vector SVPWM control(Optimized compensation characteristic in low frequency dead zone)
	Frequency definition	Digital Setting: $\pm 0.01\%$ highest frequency; Analog Setup: $\pm 0.2\%$ highest frequency
	Frequency accuracy	Digital Setting:0.01Hz; Analog Setup: $\pm 0.1\%$ highest frequency
	Start frequency	0.40Hz~20.00Hz
	Torque boost	Auto torque boost,manual torque boost 0.1%~30.0%
	V/F curve	Two modes:linear Acc/Dec, S ramp Acc/Dec;seven kinds of Acc/Dec time (Maximum:6000 minutes) and unit (minute or second) is selectable.
	DC injection braking	Initial frequency of DC injection braking process:0~15.00Hz Braking time:0~60.0 s Braking current:0~80%
	Dynamic braking	Internal dynamic braking, can be connected with external braking resistor
	Jog	Range of jog frequency:0.1Hz~50.00Hz, Acc/Dec time of jog operation 0.1~60.0s
	Internal PI	Be able to form close loop control system easily
	Multi-step speed running	Multi-step speed running can be realized by internal PLC or control terminals
	Traverse operation	Traverse operation with adjustable central frequency
	Auto voltage regulation(AVR)	When source voltage changes, the modulation rate can be adjusted automatically,so the output voltage is unchanged
	Auto energy saving operation	V/F curve is optimized automatically according to the load condition to realize energy saving operation
Auto current limiting	Operating current is limited automatically to avoid frequent tripping of the drive	
Fix-length control	The driver stops when preset fixed length is reached	
Communication function	With master-slave multimachine linkage function and standard RS485 port, support communication protocol with Modbus-RTU	
<b>Operating function</b>	Methods of inputting operating commands	Operation panel setup;control terminals setup;serial port setup;three modes can be selected.
	Methods of setting up frequency	Keyboard analog potentiometer setup; keys setup;function code digital setup; serial port setup;terminal UP/DOW setup;analog voltage setup;analog current setup; pulse setup(0~20KHz); combination setup;different setting modes are selectable.
	Digital value input channel	Forward/ Reverse command;6 digital value input,can be set for 35 kinds of function,X6 support 0~20KHz pulse input
	Analog input channel	2 analog input ,4~20mA and 0~10V can be selected
	Analog output channel	1 analog output, 0~10V, can set output of reference frequency, output frequency and so on
	Digital, vaule output channel	1 Bi-direction open-collector output terminal;1 relay output signal;1 pulse output signal (0~20KHz)
<b>Operation panel</b>	LED Digital Display	Can display setup frequency, output voltage, output current and other parameters.
	External Instrument Display	Display output frequency, output current, output voltage and other physical quantity
	Key Lock	Lock all the keys
Protection Function	Over current protection;over voltage protection;under voltage protection;over heat protection;over load protection	