

Power input	Input voltage	380-460V
	Input frequency	45-65Hz
	Accepting voltage change	Voltage unbalance <3%
	Voltage drop	When the 3 phase AC380-460V, input voltage <AC300V, low voltage protection was implemented after 15ms.
Power output	Voltage	0VAC ~ input voltage
	Overload grade	Stable running 40°C , heavy load 150%, 1min
	Efficiency (full load)	≥0.94
	Output frequency accuracy	±0.01% (digital command -10~+45°C); ±0.1% (analog command 25±10°C);
Digital input/output	Optical coupling isolation input	7 channels, 24V high and low level can be set, input function can be defined
	Open collector output	2 channels, output function can be defined
	Relay output	2 channels, normally open contacts, contact capacity: inductive, 1.5A/250VAC, output function can be defined, 2 channels, dual normally open/closed contacts, contact capacity: resistive, 4.5A/250VAC or 4.5A/30VDC; inductive: 0.4A/250VAC or 0.4A/30VDC, output function can be defined
Analog input/output	Analog voltage input	2 channels, accuracy 0.1%; voltage -10V ~ +10VDC or current 0~20mA optional signal
	Analog voltage output	2 channels, accuracy 0.1%; voltage -10V ~ +10VDC or current 0~20mA optional signal
Control characteristics	Carrier frequency	1.1-8KHz; carrier frequency can be adjusted automatically according to load characters
	Frequency setting resolution	0.01Hz (digital command), ±0.06HZ/120Hz (analog command 11 bit + no signal)
	Running command channel	Given operation panel, given control terminal, given communication
	Frequency given channel	Give operation panel, given digital quantity/analog quantity, given communication, given performance function.
	Torque improved	Automatic torque improved, manual torque improved.
	V/F curve	User defined V/F curves, linear V/F curves, and three reduced torque characteristic curves
	Automatic voltage adjustment (AVR)	The duty ratio of output PWM signal is adjusted automatically based on the fluctuation of bus voltage, to reduce the influence of grid voltage fluctuation on output voltage fluctuation.
	Electricity loss and keep running process	In the case of instantaneous power off, achieve uninterrupted operation through bus voltage control
	Direct current braking capability	Brake current: 0.0~120.0% rated current

Characteristic function	Parameters copy	The standard operation panel can upload and download parameters and indicate copy process
	Process PID	Used for closed – loop control of process quantities
	Common DC bus	All series can achieve the power supply of common DC bus for multiple VFD.
Motor protection	Rotor block, motor overload, speed limitation	
VFD protection	Output current limited, VFD overload, IGBT overload, under voltage / over voltage of input power, under voltage / over voltage of DC bus, IGBT over heating, power faulty, analog input signal loss (loss speed reference), communication abnormality, self-tuning faulty.	
Environment condition	Operation place	Installed vertically in a well-ventilated electrical control cabinet. Horizontal or other installation is not allowed. Cooling medium is air. Installed in environment without direct sunlight, dust, corrosive gas, flammable gas, oil mist, steam, or water.
	Environment temperature	-10 ~ +40 °C
	Used in diminished temperature	>40 °C, a rise of 1 °C, rated output current is reduced by 2%, the highest temperature is 50°C
	Altitude	<1000m
	Used in diminished height	>1000m, a rise of 1000m, rated output current is reduced by 1% (up to 3000m)
	Environment humidity	5 ~95%, without condensation
	Vibration (transport)	$2 \leq f < 9\text{Hz}$, 3.5 mm; $9 \leq f < 200\text{Hz}$, 10m/s^2 ; $200 \leq f < 500\text{Hz}$, 15m/s^2
	Vibration (installation)	$2 \leq f < 9\text{Hz}$, 0.3 mm; $9 \leq f < 200\text{Hz}$, 1m/s^2
	Storage temperature	-40 ~ +70 °C
Protection grade	IP20	
Control panel	Type	Movable
	Length	1m, 3m
	Connector	RJ45
	LCD text display	4 row
	LED display	5 bit
	Visible LED indicator	4 pcs
	key	9 pcs
Others	Cooling way	Force air cooling
	Installation mode	Installed in cabinet with wall-mounted
	Certificate	CE