

Kinco CV100 series Mini VFD		Description
Items		
Input	Rated Voltage/frequency	4T: 3-phase, 380V~440V; 50Hz/60Hz; 2S: Single phase, 200V~240V; 50Hz/60Hz
	Allowable voltage range	4T: 320V~460V; 2S:180V~260V; Voltage unbalancedness:<3%; Frequency: ±5%
Output	Voltage	0~ Rated input voltage
	Frequency	0Hz~300Hz (0Hz~1000Hz custom)
	Overload capacity	G Type: 150% rated current for 1 minute, 180% rated current for 10 seconds.
Main control characteristics	Control method	V/F control
	Starting torque	0.5Hz: 150% rated torque (Vector control without PG)
	Frequency accuracy	Digital setting: Max. frequency × ±0.01%; Analog setting: Max. frequency × ±0.2%
	Frequency resolution	Digital setting: 0.01Hz; Analog setting: Max. frequency×0.05%
	Torque boost	Manual torque boost: 0%~30.0%
	V/F pattern	4 patterns: 1 V/F curve mode set by user and 3 kinds of torque-derating modes (2.0 power, 1.7 power, 1.2 power)
	Acceleration/Deceleration curve	Linear acceleration/deceleration. Four kinds of acceleration/deceleration time
Auto current limit	Limit current during operation automatically to prevent frequent overcurrent trip.	
Customized function	Operation command	Keypad setting, terminal setting, communication setting
	Frequency command	Digital setting, analog voltage setting, analog current setting.
	Auxiliary frequency setting	Implement flexible auxiliary frequency trim and frequency synthesis
	Analog output	1 channel analog output (0/4~20mA or 0/2~10V).
Protection function		Overcurrent protection, overvoltage protection, undervoltage protection, overheat protection, overload protection, missing phase protection (seletable) and so on.
Environment	Altitude	Derated above 1000m, the rated output current shall be decreased by 10% for every rise of 1000m.
	Ambient temperature	-10°C~+40°C (derated at 40°C~50°C)
	Humidity	5%~95%RH, non-condensing
	Vibration	Less than 5.9m/s ² (0.6g)
	Storage temperature	-40°C~+70°C