



GD350 is a brand new high-performance inverter. It is highly extensible and flexible with PG card, PLC card, communication card and IO card, meeting the demands of various industries. It's oriented for medium and high-end OEM equipment markets, mainly covering the applications of printing and packaging, winding

Features:

1. Supports SVC and VC(Closed loop) control for both asynchronous and synchronous motors.
2. Enables high precision of speed, position, torque control and fast speed response.
3. Supports optional PLC cards with CODESYS programming function.
4. Supports optional Field bus communication cards, including Profibus-DP, CANopen, and Ethernet, etc.
5. Supports optional PG cards for encoders like incremental and rotary transformer.
6. Accepts plug-in of three expansion cards simultaneously (only two cards below 7.5kW(10HP)).
7. Integrates safety function-STO(Safe Torque OFF, SIL2)
8. Unique I/F control and online transition with other control modes, very suitable for the situation where the asynchronous motor has low speed with high torque and the speed accuracy is not high.
9. Provides intuitive LCD keyboard with maximum 16 lines text display as well as graphical display, Wizard Mode to set parameters while powered on.
10. Supports optional Bluetooth card and WiFi card to realize wireless communication.

Function Description		Specifications	
Power Input	Input Voltage(V)	3-phase 380V(-15%)~440V(+10%), Rated voltage: 400V 3-phase 520V(-15%)~690V(+10%), Rated voltage: 660V	
	Input Frequency(Hz)	50Hz/60Hz. Allowed range:47~63Hz	
Power Output	Output Voltage(V)	0~input voltage	
	Output Current(A)	Refer to the rated value	
	Output Power(kW/HP)	3-phase 380V(-15%)~440V(+10%): 1.5~500kW(2~670HP) 3-phase 520V(-15%)~690V(+10%): 22~630kW(30~845HP)	
	Output Frequency(Hz)	0~400Hz	
Technical Control Features	Control Mode	SVPWM, SVC, VC	
	Motor Type	Asynchronous motor and permanent magnet synchronous motor	
	Adjustable-Speed Ratio	Asynchronous motor 1:200 (SVC) , synchronous motor 1:20 (SVC) , 1:1000(VC)	
	Speed Control Accuracy	±0.2% (SVC), ±0.02%(VC)	
	Speed Fluctuation	± 0.3% (SVC)	
	Torque Response	<20ms(SVC), <10ms(VC)	
	Torque Control Accuracy	10%(SVC), 5%(VC)	
	Starting Torque	Asynchronous motor: 0.25Hz/150%(SVC) Synchronous motor: 2.5Hz/150%(SVC) 0Hz/200%(VC)	
	Overload Capability	150% of rated current: 1 minute 180% of rated current: 10 seconds 200% of rated current: 1 second	
	Peripheral Interface	Analog Input	2
Analog Output		1	
Digital Input		4 DI 2 HDI	
Digital Output		1 Y1 1 HDO	
Relay Output		2 Relay RO1A NO, RO1B NC, RO1C Common RO2A NO, RO2B NC, RO2C Common	
Communication		Built-in RS485	
STO		2 STO inputs,SIL2	
Mountable Method		Wall, flange and floor mountable	
Others		Temperature Of The Running Environment	-10~50°C, derate above 40
		Protective Degree	IP20
	Cooling	Air-cooling	
	Braking Unit	Standard built-in for inverters of 400V ≤37kW(50HP), optional built-in for inverters of 400V 45~110kW(60~150HP)	
	PLC Card(Optional)	6 DI, 2 DO, 2 Relay	
	I/O Card(Optional)	4 DI, 1 DO, 1 AI, 1 AO, 2 Relay	
	EMC Filter	Built-in C3 filters: meet the degree requirement of IEC61800-3 C3 External filter: meet the degree requirement of IEC61800-3 C2	