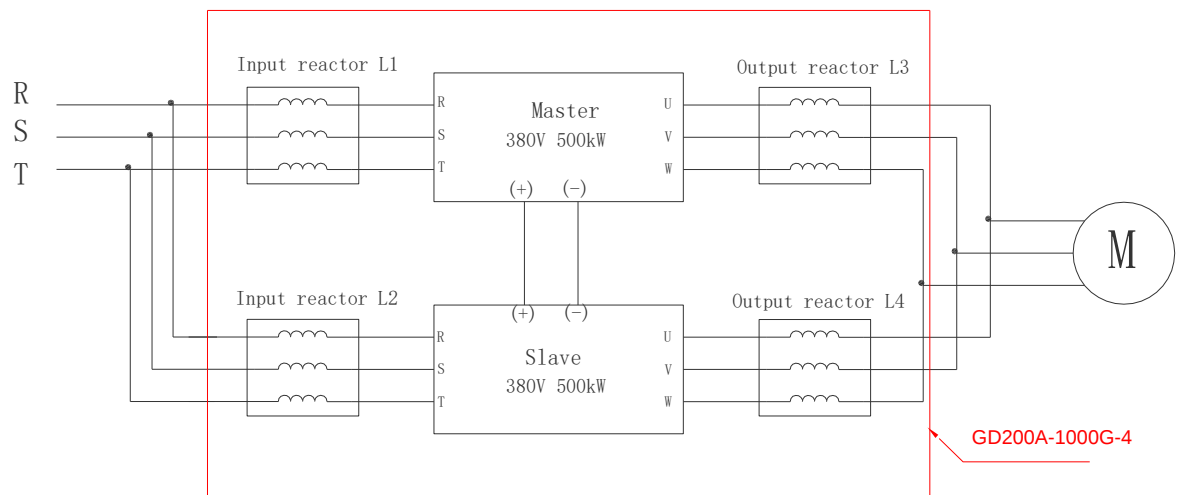


1. Supplied list

Inverter	Input voltage	Rated power	Rated input current	Rated output current
GD200A-1000G-4	380V(-15%)~440V(+10%)	1000kW	1780A	1720A

2. Schematic diagram

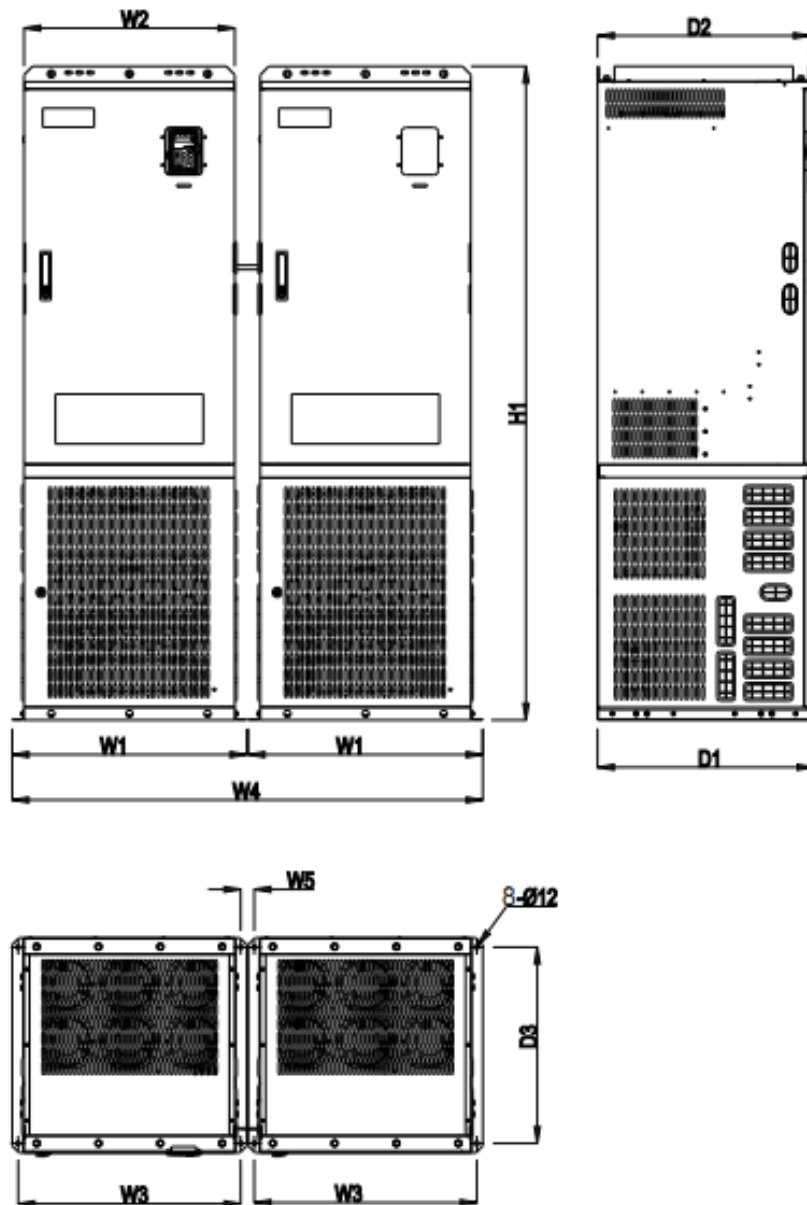


3. Specifications

Function		Specification
Input	Input voltage (V)	AC 3PH 380V(-15%)~440V(+10%)
	Input frequency (Hz)	50Hz or 60Hz Allowed range: 47~63Hz
Output	Output voltage (V)	0~Input voltage
	Output frequency (Hz)	0~400Hz
Technical control feature	Control mode	SVPWM, SVC
	Motor type	Asynchronous motor
	Speed ratio	Asynchronous motor 1:100 (SVC)
	Speed control accuracy	±0.2% (sensorless vector control)
	Speed fluctuation	± 0.3%(sensorless vector control)
	Torque response	<20ms(sensorless vector control)
	Torque control accuracy	10%(sensorless vector control)
	Starting torque	Asynchronous motor: 0.5Hz/150% (SVC)
	Overload capability	G type: 150% of rated current: 1 minute 180% of rated current: 10 seconds

Function		Specification
		200% of rated current: 1 second
Running control feature	Frequency setting	Digital setting, analog setting, pulse frequency setting, multi-step speed running setting, simple PLC setting, PID setting, MODBUS communication setting. Shift between the set combination and set channel.
	Auto voltage adjustment	Keep a stable voltage automatically when the grid voltage transients
	Fault protection	Provide over 30 fault protection functions: overcurrent, overvoltage, undervoltage, overheating, phase loss and overload, etc.
	Speed tracking	Restart the rotating motor smoothly Note: This function is available for the inverters of 4kW and above 4kW.
Peripheral interface	Terminal analog input resolution	≤ 20mV
	Terminal switch input resolution	≤ 2ms
	Analog input	2 channels (AI1, AI2) 0~10V/0~20mA and 1 channel (AI3) -10~10V
	Analog output	2 channels (AO1, AO2) 0~10V /0~20mA
	Digital input	8 channels common input, the Max. frequency: 1kHz, internal impedance: 3.3kΩ; 1 channel high speed input, the Max. frequency: 50kHz
	Digital output	1 channel high speed pulse output, the Max. frequency: 50kHz; 1 channel Y terminal open collector pole output
	Relay output	2 channels programmable relay output RO1A NO, RO1B NC, RO1C common terminal RO2A NO, RO2B NC, RO2C common terminal Contactor capability: 3A/AC250V,1A/DC30V
Others	Mountable method	Wall, flange and floor mountable
	Temperature of the running environment	-10~50℃, derate above 40℃
	Ingress protection	IP20
	Cooling	Air-cooling
	Braking unit	Built-in braking unit for inverters below 30kW (including 30kW) External braking unit for others
	EMC filter	Built-in C3 filter: meet the degree requirement of IEC61800-3 C3 External optional filter:meet the degree requirement of IEC61800-3 C2

4. Dimension



	W1	W2	W3	W4	W5	H1	D1	D2	D3	Installation hole
GD200A-1000G-4	690	620	655	1385	40	1900	636.3	625.5	570	12

Weight(estimated): 950kg

5. Successful cases



(1200kW)



(2000kW)

