

## Wiring Guide of EcoDriveCN vector control Frequency Inverter (Variable Speed Drive, variable frequency drive, AC drive, VSD, VFD)

### Connection of EcoDriveCN Variable Speed Drive and Peripherals

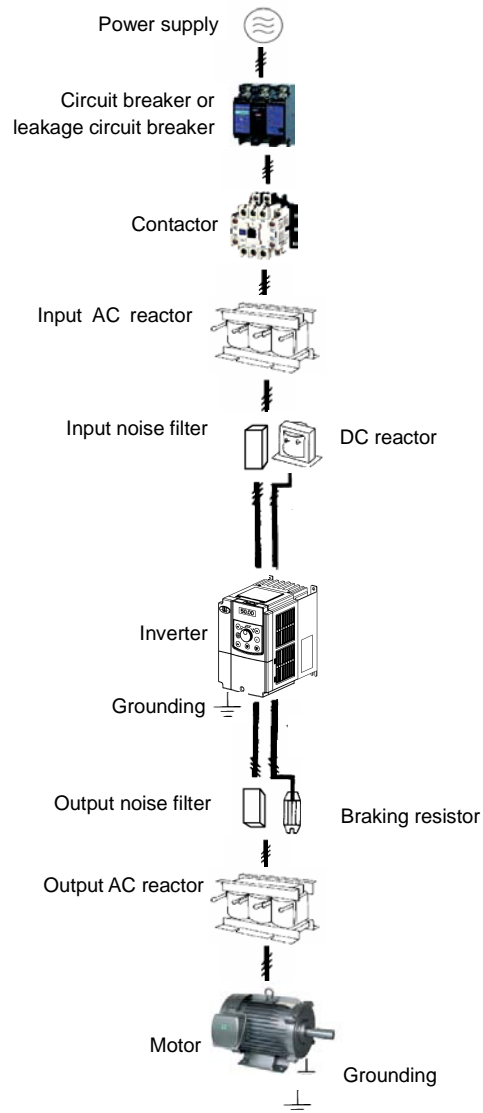


Fig.1 Connection diagram of the product and peripheral devices



Below is the wiring guide of **380V ~ 480V frequency inverters (VSDs, VFDs, AC drives)** to different peripherals. If the voltage is different, please contact us for guidance.

**Wiring Guide of Main Circuit Terminals with Peripherals**

Power rating of frequency inverter	Circuit Breaker (A)	Contactor (A)	R/L1, S/L2, T/L3, ⊕1, ⊕2/B1, B2, ⊖, U/T1, V/T2, W/T3			Grounding terminal PE ⊕		
			Terminal screw	Tightening torque (N-m)	Wire specification (mm <sup>2</sup> )	Terminal screw	Tightening torque (N-m)	Wire specification (mm <sup>2</sup> )
0.75KW	10	10	M4	1.2~1.5	2.5	M4	1.2~1.5	2.5
1.5KW	16	10	M4	1.2~1.5	2.5	M4	1.2~1.5	2.5
2.2KW	16	10	M4	1.2~1.5	2.5	M4	1.2~1.5	2.5
3.7 KW	25	16	M4	1.2~1.5	4	M4	1.2~1.5	4
5.5 KW	32	25	M4	1.2~1.5	6	M4	1.2~1.5	6
7.5 KW	40	32	M4	1.2~1.5	6	M4	1.2~1.5	6
11 KW	63	40	M5	2.5~3.0	6	M5	2.5~3.0	6
15 KW	63	63	M5	2.5~3.0	6	M5	2.5~3.0	6
18.5 KW	100	63	M6	4.0~5.0	10	M6	4.0~5.0	10
22 KW	100	100	M6	4.0~5.0	16	M6	4.0~5.0	16
30 KW	125	100	M6	4.0~5.0	25	M6	4.0~5.0	16
37 KW	160	100	M8	9.0~10.0	25	M8	9.0~10.0	16
45 KW	200	125	M8	9.0~10.0	35	M8	9.0~10.0	16
55 KW	315	250	M10	17.6~22.5	50	M10	14.0~15.0	25
75 KW	350	330	M10	17.6~22.5	60	M10	14.0~15.0	35
90 KW	315	250	M10	17.6~22.5	70	M10	14.0~15.0	35
110 KW	350	330	M10	17.6~22.5	100	M10	14.0~15.0	50
132 KW	400	330	M12	31.4~39.2	150	M12	17.6~22.5	75
160 KW	500	400	M12	31.4~39.2	185	M12	17.6~22.5	50x2
185 KW	630	500	M12	48.6~59.4	240	M12	31.4~39.2	60x2
200 KW	630	500	M12	48.6~59.4	240	M12	31.4~39.2	60x2
220 KW	800	630	M12	48.6~59.4	150x2	M12	31.4~39.2	75x2
250 KW	1000	630	M12	48.6~59.4	185x2	M12	31.4~39.2	100x2
280 KW	1000	630	M12	48.6~59.4	185x2	M12	31.4~39.2	100x2
315 KW	1000	800	M14	48.6~59.4	250x2	M14	31.4~39.2	125x2
355 KW	1200	800	M14	48.6~59.4	325x2	M14	31.4~39.2	150x2
400 KW	1500	1000	M14	48.6~59.4	325x2	M14	31.4~39.2	150x2
450 KW	2000	1500	M14	48.6~59.4	350x2	M14	31.4~39.2	175x2
500 KW	2000	1500	M14	48.6~59.4	350x2	M14	31.4~39.2	175x2

**Wiring Guide of Control Circuit (Control Terminals) with Peripherals**

Terminal number	Terminal screw	Tightening torque (N-m)	Wire specification mm <sup>2</sup>	Wire type
+10V, AI1, AI2, AO1, AO2, GND	M3	0.5~0.6	0.75	Twinning shielding cable
+24V, PLC, X1, X2, X3, X4, COM, Y1, COM, RA, RB, RC	M3	0.5~0.6	0.75	Shielding cable

**V&T Technologies Co., Ltd.**

**Add:** XinFeng Building, YangGuang Industrial Area, XiLi Town, NanShan District, ShenZhen, 518055 China

**Website:** <http://www.EcoDriveCN.com>

**Email:** [Richard@EcoDriveCN.com](mailto:Richard@EcoDriveCN.com)

**Tel:** +86-177-04027519



V&T Technologies Co., Ltd. <http://www.EcoDriveCN.com>

---

Whatsapp: +86-177-04027519

Skype & Line ID: EcoDriveCN

---

**Simple introduction of company:**

**V&T Technologies Co., Ltd.** is manufacturing [variable speed drive \(frequency inverter\), servo drive, motor soft starter, inverter, and other power electronics.](#)

The variable speed drives are used for [motor control, motion control, energy saving and process control](#): plastic injection molding machine, machine tools, [air compressor](#), water supply, civil engineering, conveyor belt, [sewage disposal \(wastewater treatment\), extruder \(extrusion machine\)](#), fan and pump, HVAC, food and beverage industry, mining industry, **sugar industry**, etc.

[As the leading and professional factory with optimum drives, we are competing with AB, Danfoss in the world.](#)

From 200VAC to 1140VAC, power is from 0.4KW to more than 3MW (0.5hp to more than 4000hp).