

矢量变频器 | Vector Frequency Inverter

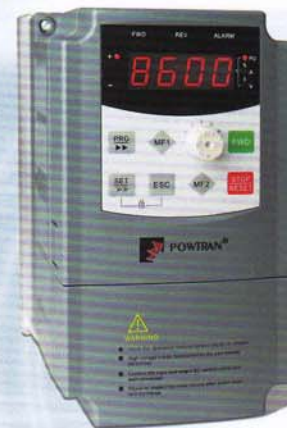
PI8600 Series

Product orientation:

PI8600 series frequency inverter is produced by Powtran Technology based on PI8100 series high-performance current vector software platform, It is for requirements in application fields with single-phase 220V, especially research a single-phase economic frequency inverter, is a boutique for nowadays small processing manufacture automatic control.

Performance profile:

PI8600 series frequency inverter is a high-quality, multi-functional vector control frequency inverter. By decoupling control of motor magnetic flux current and torque current to achieve quick-response and precise control, can run a wide range of the speed adjustment and torque control at a high accuracy. Brand-new hardware platform, scientific production technology and complete testing equipment, ensure products more stable & reliable in application.



Technical Features:

- Central control module based on DSP(32 bits digital signal processor), realizes high-speed and high-performance control
- Control Mode: Sensorless Vector Control, Sensor Close Loop Vector Control, V/F Control
- Automatic recognize the parameter of the motor, auto-adjust to the best control mode
- Dead zone compensate function and automatic slip compensate, 180% torque output can come out below 0.5Hz frequency
- 8 switch inputs, 3 analog inputs, 2 analog output, 0—10V or 0—20mA from inside the scope of the definition signal
- Support feedback signal 0—10V, 1---5V, 0---20mA, 4---20mA
- Expanding external keyboard, supporting hot-pluggable and can restore or copy 4 groups running parameter programs
- High effective function on default record and recheck, easy trouble-shooting
- Unique EMC design minimizes pollute to electricity resource
- Entire coating can work in various of severe environment
- Small body, fashionable appearance



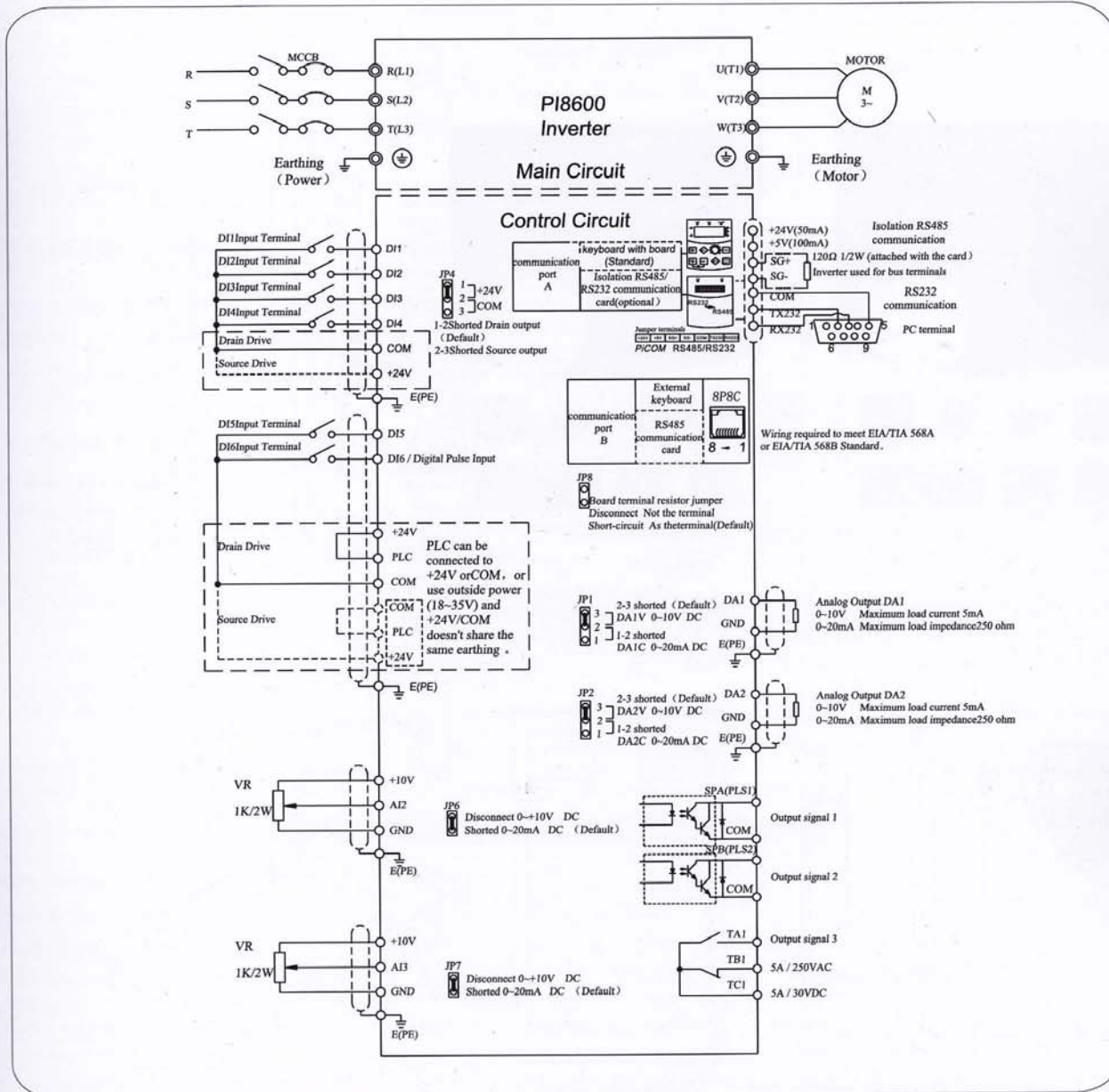
Capacity range:

Power Range: 0.4-1.5kW Frequency Range: 0.00~400.00Hz
Voltage Range: Single-phase 220V

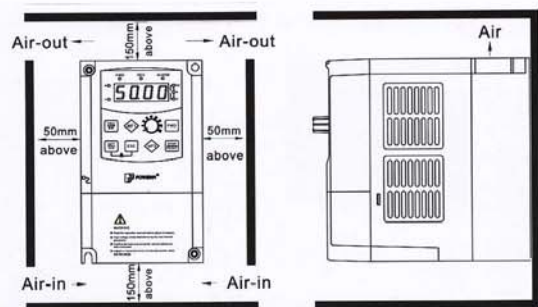
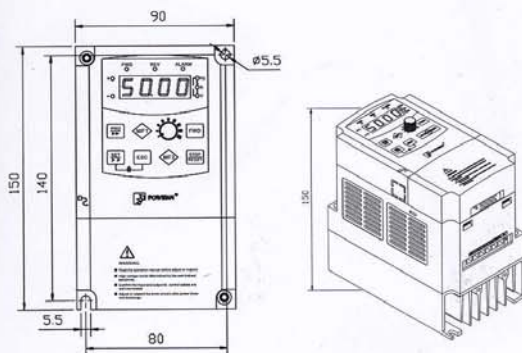
Application fields:

Medicine, food, printing & dyeing, washing and other industries, mechanical sets: a variety of mechanical sets with single-phase 220V power supply

Circuit diagram:



Specification & Installation Methods:



Frequency inverter must be installed by wall hooking in the indoor room with adequate ventilation with enough space left between it and the adjacent objects or damper (wall) surrounding it, as shown in the above figure

Model	Power (KW)	Voltage (V)	Current (A)	Shape (mm)			Installation Dimension (mm)			Structure Item	Weight (kg)
				L	W	H	a	b	d		
PI8600 R75G1	0.75	220	4	150	90	150	140	80	φ5.5	7N1	3.5
PI8600 1R5G1	1.5	220	7								