



Bedford (Quanzhou) Electronic Co.,Ltd established in May. Since 1998, which is one of the professional Variable Frequency Drive(VFD) Manufacturers and suppliers in china, Even its establishment, Bedford never stop to make contribution towards the industrial automation technology and efforts for the "Green Earth". Our R&D teams focus on developing Elevator/Lift Drives since 2006.

**Model :** B950L - 4005B  
**Motor Power :** 4.0 Kw  
**I/P Voltage :** 380 VAC, 3-Phase  
**O/P Voltage :** 9.4

**Features**

- For lift/elevator/crane
- 7 kinds language are available
- LCD keypad
- Auto-tuning ability
- Magnetic field oriented flux vector control
- 4 control methods are included
- PG-b2/s2 interface card are available
- Open loop & close loop are available.

B950L Series Standard Specifications ( 3 Phase 200-240V)							
B950L Series Max. Applicable motor		2000	2007	2012	2013	2020	2025
output		4.73kW	5.4kW	7.23kW	11.3kW	13.9kW	18.3kW
Output Characteristics	Rated output current(A)	17	25	32	45	60	75
	Max. Output Voltage(V)	3 phase AC 380V±20% (Proportional to input voltage)					
Power	Max. Output Frequency(Hz)	up to 400Hz available by programming					
	Rated Input Voltage and fre.	3 phase AC 380V±20% 50/60Hz±5%					
Control characteristics	Allowable Voltage flu.+	Voltage imbalance rate<3%					
	Control Method	Open-Loop Vector Control(OPL) Close-Loop Vector Control(CLP)					
	Governor Deflection	1:50(OPL) 1:1000(CLP)					
	Frequency control Range	0 to 99.00Hz					
	Input Frequency Resolution	Digital input:0.1Hz Analog input :0.1% of maximum frequency					
	Speed Control Accuracy	±0.2% rated synchronous speed					
	Frequency Accuracy	Digital Command:0.01% , Analog Command:0.1%					
	Accel/Dece Time	0.01 to 600.0 sec./0.1 to 6000.0 sec./1 to 60000 sec					
	Open-Loop Vector Control Feature	Rated output voltage: 20%-100% adjustable, Frequency base:20Hz-99Hz adjustable					
	Torque Boost	Fixed torque boost curve, defined V/F curve					
	Starting Torque	150%/1 Hz (OPL), 150%/0Hz (CLP)					
	Torque Accuracy	±5% rated torque (OPL), ±8% (CLP)					
	AVR	Input voltage changes, but output voltage remains unchanged basically.					
	Automatic Current Limit	Automatically limit output current to avoid frequently overcurrent trip.					
	Overload Capacity	150% of rated output current for 1 minute, 180% of rated output current for 10 sec., 200% of rated output current for 2 sec.					
Single Input Source	Communication, Preset speed, Analog quantity, High-speed trip						
Braking Torque	Approx. 20%						
Keypad display	LED	LED displays relevant information about inverter					
	Parameter Copy	Upload and download parameter setting information in inverter to realized rapid copy.					
Protection	Short circuit, Overcurrent, Overvoltage, Undervoltage, Phase loss, Overload, Overheating, Overspeed, offload, external fault, etc.						
Environment	Installation Site	To be installed indoor with an altitude of less than 1,000 meters, free from dust, corrosive gas and direct sunlight.					
	Ambient Temperature	(-10°C~40°C, 20%~90%RH or less (no condensation))					
	Vibration	<0.5g (<4.9m/s <sup>2</sup> )					
	Strong Temperature	(-125°C~+65°C					
Installation Method	Wall mounting, floor mounting (electrical cabinet) and flush mounting						

### B950L Series PG Speed Control Card (Optional)

B950L inverter is equipped with multiple general PG cards. User shall select PG card based on encoder output form. Models of PG cards are listed in the table below.

Part Number	Description	Encoder interface
EC-PG-02	Open collector output encoder Complementary push-pull output encoders Encoder with voltage output Maximum output current:200mA Power output voltage:12V±5% Maximum response frequency :80kHz	Input: 6PIN connection terminal Output: 4PIN connection terminal
EC-PG-D3	Differential output encoder(long line drive encoder) Wire saved ABZ differential output encoder Maximum output current:300mA Power output voltage:5v ± 5% Maximum response frequency:300kHz Differential signal amplitude ≤ 7V	Input: 9PIN connection terminal Output: 4PIN connection terminal
SEL-PG-S1	SIN/COS encoder card(Divider output)	Input: DB15 female connector Output: 3PIN connection terminal

B950L Series standard Connection Diagram

