









EJITSU

EJ820 Serial Industry VFD



SHENZHEN YISHITONG TECHNOLOGY CO.,LTD.

EJ820 Multi_Functional Inverter



1 Technical specifications

1.1 integrated more macro function,such as SPWS mode,3 pump cycle,Numerical etc.

1.2 Carrier frequency 1.0-16kHz the carrier frequency is automatically adjusted based on the load features.

1.3 input frequency resolution:digital setting 0.01Hz,Analog setting: maximum frequency 0.025%.

1.4 Control mode:SVC mode ,V/F control mode

1.5 Startup torque:150%

1.6 Speed range:1:50

1.7 Speed stability accuracy:1%

1.8 Overload capacity:G Type:110% 150% 1min 200% 4s
P Type:105% 120% 1min 150% 1s

1.9 Torque boost:fixed boost,Customized boost 0.1%-30.0%



1.10 V/F curve:straight_line V/F curve,multi_point V/F curve,Square V/F curve

1.11 Ramp mode:straight_line ramp,S_curve ramp two groups of acceleration /deceleration time with the range of 0.00-300.0s(m)

1.12 DC braking:DC braking frequency:0.00Hz to maximum frequency ,braking time: 0.0-36.0s,braking action current value:0.0%-100.0%

1.13 JOG control：JOG frequency range：0.00Hz to maximum frequency JOG acceleration/deceleration time 0.00-300.0s

1.14 simple PLC、 multi_speed running：it implements up to 16 speeds via the simple PLC function or combination of DI terminal states。

1.15 Built_in PID:it implements the closed_loop process control system easily.

1.16 Auto voltage regulation(AVR):it can keep constant of output voltage automatically when the mains voltage changes.

1.17 Over current stall control:the current is limited automatically during the running so as to avoid frequency tripping due to over current.

1.18 Rapid current limit:it decreases the over current faults to the minimum and ensures normal running of the AC drive.

2 Application range

2.1 Chemical industry ， oil collection,mine crashing

2.2 Fluid machinery：Fan water pump，blower，music fountain.

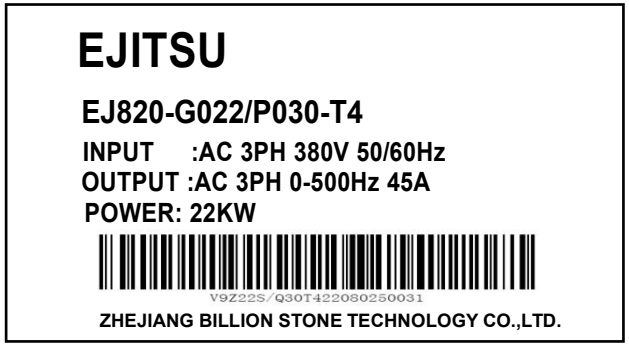
2.3 Paper_making equipment,chemical industry

2.4 Pharmaceutical industry，textile industry

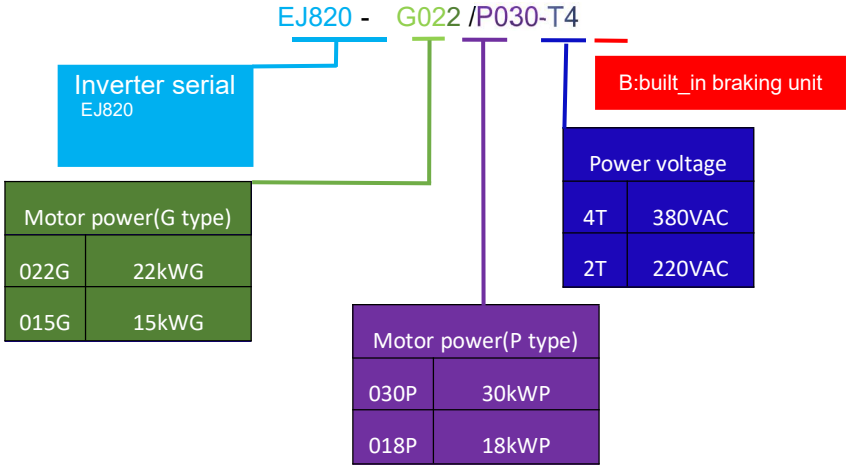
2.5 Public mechanical equipment，such as precision CNC machine tools etc.

2.6 solar pump、EPS

3 Model nameplate



4 Model description



5 Product Appearance and Mounting Dimensions

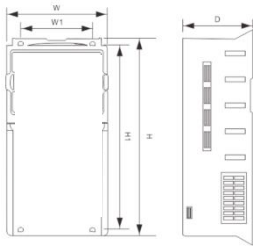


Fig. 1

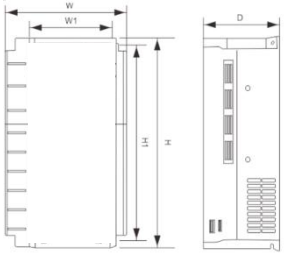


Fig.2

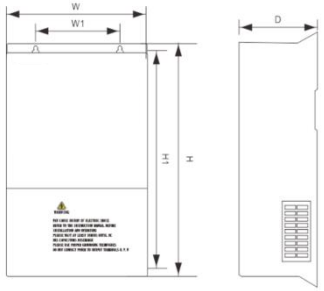
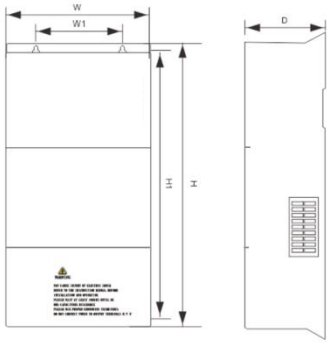


Fig.3



Power (kW)	Voltage (V)	In (A)	Fig.	Product Dimensions (mm)				
				W1	H1	H	W	D
0.75	220	4.0	Fig.1	78	200	212	95	154
1.5	220	7.0						
2.2	220	9.6						
0.75	380	2.1						
1.5	380	3.8						
2.2	380	5.1						
4.0	380	8.5						
5.5	380	13.0	Fig2	129	230	240	140	180
7.5	380	16.0						
11.0	380	24.0						
15.0	380	32.0	Fig.2	188	305	323	206	200
18.5	380	36.0						
22.0	380	44.0						
30.0	380	58.0	Fig.3	195	470	490	270	205
37.0	380	70.0						
45.0	380	90.0						
55.0	380	110.0	Fig.3	175	450	470	290	250
75.0	380	152.0	Fig.3	200	648	670	325	300
90.0	380	172.0						
110.0	380	205.0						
132.0	380	253.0	Fig.3	300	670	700	465	310
160.0	380	304.0						
185.0	380	334.0						
200.0	380	380.0	Fig.4	360	935	960	480	350
220.0	380	426.0						
250.0	380	465.0						
285.0	380	520.0						
315.0	380	585.0	Fig.4	530	1000	1120	650	355
355.0	380	650.0						
400.0	380	752.0						
450.0	380	840.0	Fig.4	530	1100	1120	840	375
500.0	380	930.0						
560.0	380	1050.0	Fig.4	530	1100	1120	1030	375
630.0	380	1150.0						
750.0	380	1370.0	Fig.4	530	1110	1130	1420	385
800.0	380	1480.0						
1000.0	380	1800.0	Fig.4	1280	1400	1420	1450	380
1200.0	380	2000.0						

Table 1

6 Product Gross Weight and Packing Dimensions

Ordering No.	Power (kW)	Gross Weight (Kg)	Fig.	Packing Dimensions (mm)		
				H	W	D
EJ820-G0R7/P1R5-T2B	0.75	1.2	Fig.4	250	135	193
EJ820-G1R5/P2R2-T2B	1.5	1.5				
EJ820-G2R2/P4R0-T2B	2.2	1.5				
EJ820-G0R7/P1R5-T4B	0.75	1.2				
EJ820-G1R5/P2R2-T4B	1.5	1.5				
EJ820-G2R2/P4R0-T4B	2.2	1.5				
EJ820-G4R0/P5R5-T4B	4.0	1.6				
EJ820-G5R5/P7R5-T4B	5.5	3.0	Fig.4	290	190	235
EJ820-G7R5/P011-T4B	7.5	3.2				
EJ820-G011/P015-T4B	11.0	3.3				
EJ820-G015/P018-T4B	15.0	5.7	Fig.4	385	255	262
EJ820-G018/P022-T4B	18.5	5.8				
EJ820-G022/P030-T4	22.0	6.2				
EJ820-G030/P037-T4	30.0	17.0	Fig.4	547	380	300
EJ820-G037/P045-T4	37.0	17.5				
EJ820-G045/P055-T4	45.0	18.0				
EJ820-G055/P075-T4	55.0	22.0	Fig.4	545	385	330
EJ820-G075/P090-T4	75.0	44.0	Fig.5	680	380	375
EJ820-G090/P110-T4	90.0	45.0				
EJ820-G110/P132-T4	110.0	46.0				
EJ820-G132/P160-T4	132.0	61.5	Fig.5	720	535	390
EJ820-G160/P185-T4	160.0	63.0				
EJ820-G185/P200-T4	185.0	65.0				
EJ820-G200/P220-T4	200.0	65.0	Fig.5	1040	575	430
EJ820-G220/P250-T4	220.0	91.0				
EJ820-G250/P285-T4	250.0	93.0				
EJ820-G285/P315-T4	285.0	95.0				
EJ820-G315/P355-T4	315.0	135.0	Fig.5	1200	745	445
EJ820-G355/P400-T4	355.0	140.0				
EJ820-G400/P450-T4	400.0	150.0				
EJ820-G450/P500-T4	450.0	183.0	Fig.5	1200	900	430
EJ820-G500/P560-T4	500.0	195.0				
EJ820-G560/P630-T4	560.0	223.0	Fig.5	1200	1110	450
EJ820-G630/P750-T4	630.0	228.0				
EJ820-G750/P800-T4	750.0	331	Fig.5	1210	1480	460
EJ820-G800/P1000-T4	800.0	325				
EJ820-G1000/P1200-T4	1000.0	448.0	Fig.5	1480	1530	550
EJ820-G1200/P1500-T4	1200.0	453.0				

Table 2

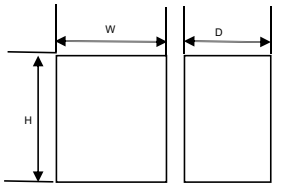


Fig.4

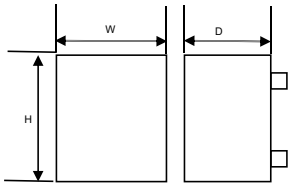


Fig.5

7 Basic Wiring of Inverter

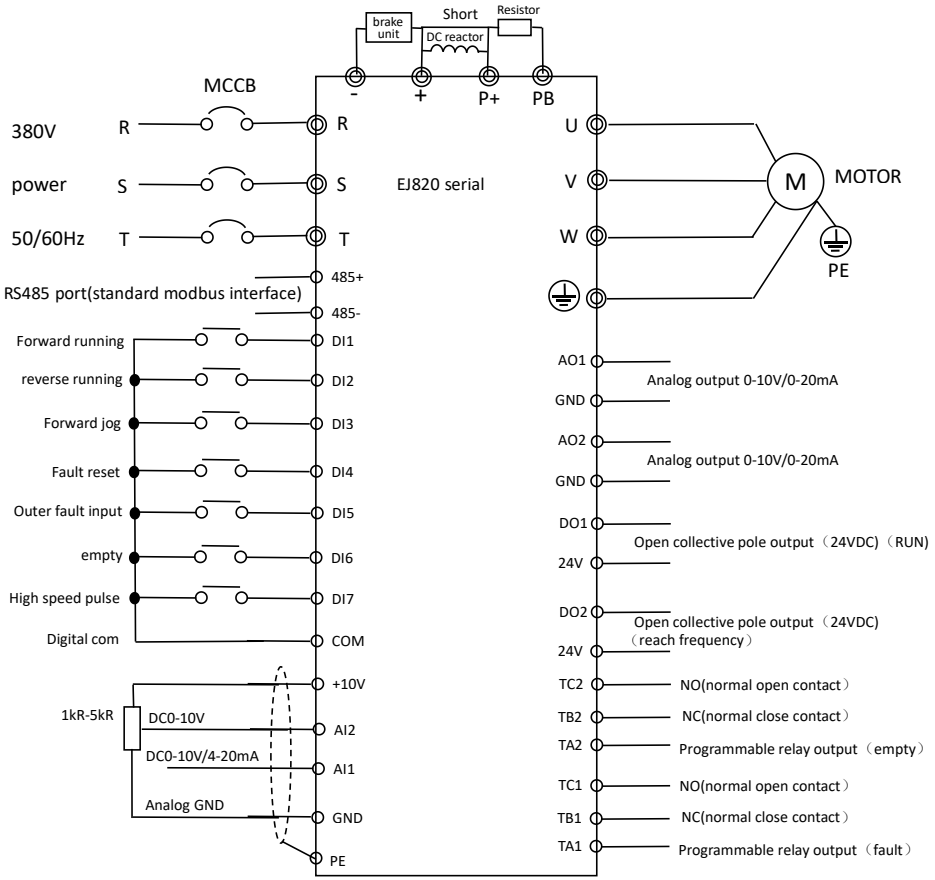


Fig.6

8 EJ820 KEYPAD



Fig.7 EJ820 LED keypad



Fig.8 EJ820 LCD keypad

Table 3 EJ820 keypad description

No.	Button	function
1	PRG	Enter or exit level I menu
2	ENTER	Enter the menu interfaces level by level,and confirm the paremetersetting
3	>>	Select the displayed parameters in turn in the stop or Running state，and select the digit to be modified
4	^	Increase data or function code
5	v	Decrease data or function code
6	FUNC	Perform function switchover according set F7-15
7	RUN	Start the invereter in the keypad control mode
8	STOP	Stop the inerter when it is in the running state and Perform the reset when it is in the fault state