Catalog

NOTE:

Products listed in the catalog are our standard products.Whose parameters are for reference only,if you have any questions,please contact with us directly,Parameters information subject to change will not notice again.

Focus on Quality and Master Core Technology

Сосредоточьтесь на качестве и освоении основных технологий

EJITSU

Professional Inverter Manufacturer

Shenzhen Yishitong technology Co.,Ltd.

www.ejitsu.cn

File No.: EJSC220101A

1 A9000 Serial high performance inverter

1.1 Technical specifications

1.1.1 standard functions maximum frequency

1.1.2 Carrier frequency 0.5-16kHz the carrier frequency is automatically adjusted based on the load features.

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

1.1.4 Control mode:V/F control

1.1.5 Startup torque:150%

1.1.6 Speed range:1:50

1.1.7 Speed stability accuracy:1%

1.1.8 Overload capacity:G type :60s for 150% of the rated current, P type:60s for 130% of the rated current.

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

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

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

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

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

1.1.14 simple PLC、 multi_speed running：it implements up to 8 speeds via the simple PLC function or combination of DI terminal states。

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

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

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

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

1.2 Application range

1.2.1 Wire drawing machines，industrial washing machines

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

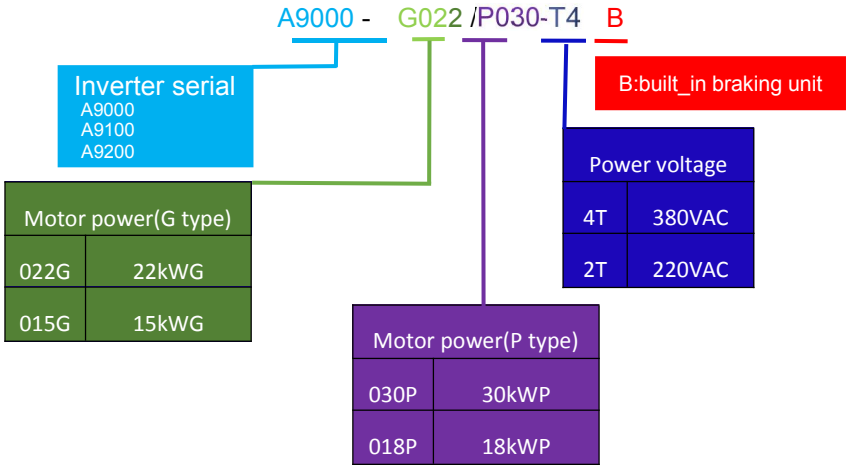
1.2.3 Paper_making equipment,chemical industry

1.2.5 Pharmaceutical industry，textile industry

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

1.3 Model nameplate

1.4 Model description



1.5 Product Appearance and Mounting Dimensions

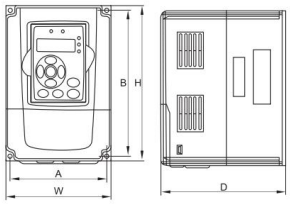


Fig. 1

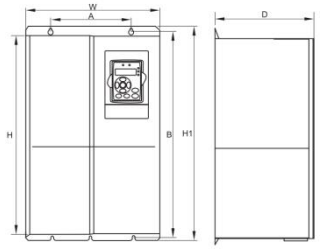


Fig.2(see H1)

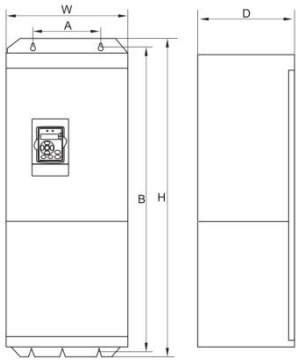


Fig.3

Power (kW)	Voltage (V)	In (A)	Fig.	Product Dimensions (mm)				
				A	B	H(H1)	W	D
0.75	380	2.1	Fig.1	110	170	180	120	158
1.5	380	3.8						
2.2	380	5.1						
4.0	380	9.0	Fig.1	147	237	250	160	183
5.5	380	13.0						
7.5	380	17.0						
11.0	380	25.0	Fig.1	205	305	320	220	190
15.0	380	32.0						
18.5	380	37.0	Fig.2	200	380	395	250	190
22.0	380	45.0	Fig.2	175	445	465	290	220
30.0	380	60.0						
37.0	380	75.0	Fig.2	175	450	470	290	250
45.0	380	91.0						
55.0	380	112.0						
75.0	380	150.0	Fig.3	230	565	550	290	275
90.0	380	176.0	Fig.3	240	640	670	330	325
110.0	380	210.0						
132.0	380	253.0						
160.0	380	304.0	Fig.3	315	725	750	460	330
185.0	380	334.0	Fig.3	400	830	860	500	360
200.0	380	377.0						
220.0	380	426.0	Fig.3	400	1130	1160	660	370
250.0	380	465.0						
285.0	380	520.0						
315.0	380	585.0						
355.0	380	650.0	Fig.3	400	1300	1340	700	435
400.0	380	752.0						
450.0	380	840.0						
500.0	380	930.0						

Table 1

A9000 Serial

1.6 Product Gross Weight and Packing Dimensions

Ordering No.	Power (kW)	Gross Weight (Kg)	Fig.	Packing Dimensions (mm)		
				H	W	D
A9000-G0R7/P1R5-T4B	0.75	2.0	Fig.4	240	173	220
A9000-G1R5/P2R2-T4B	1.5	2.0				
A9000-G2R2/P4R0-T4B	2.2	2.1				
A9000-G4R0/P5R5-T4B	4.0	3.8	Fig.4	315	207	246
A9000-G5R5/P7R5-T4B	5.5	3.9				
A9000-G7R5/P011-T4B	7.5	4.2				
A9000-G011/P015-T4B	11.0	6.6	Fig.4	380	275	245
A9000-G015/P018-T4B	15.0	6.7				
A9000-G018/P022-T4B	18.5	11.5	Fig.4	455	340	275
A9000-G022/P030-T4	22.0	17.3	Fig.4	547	380	300
A9000-G030/P037-T4	30.0	18.5				
A9000-G037/P045-T4	37.0	19.0	Fig.4	545	385	330
A9000-G045/P055-T4	45.0	20.9				
A9000-G055/P075-T4	55.0	22.0				
A9000-G075/P090-T4	75.0	29.6	Fig.4	650	380	370
A9000-G090/P110-T4	90.0	53.0	Fig.5	680	380	375
A9000-G110/P132-T4	110.0	54.0				
A9000-G132/P160-T4	132.0	55.0				
A9000-G160/P185-T4	160.0	73.5		780	530	370
A9000-G185/P200-T4	185.0	89.0	Fig.5	880	570	390
A9000-G200/P220-T4	200.0	90.6				
A9000-G220/P250-T4	220.0	≈175	Fig.5	1185	745	420
A9000-G250/P285-T4	250.0	≈178				
A9000-G285/P315-T4	285.0	≈180				
A9000-G315/P355-T4	315.0	≈183				
A9000-G355/P400-T4	355.0	≈225	Fig.5	1355	780	470
A9000-G400/P450-T4	400.0	≈228				
A9000-G450/P500-T4	450.0	≈230				
A9000-G500/P560-T4	500.0	≈232				

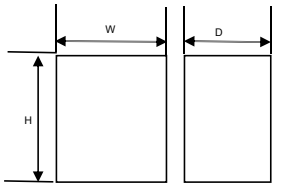


Fig.4

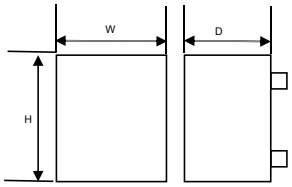
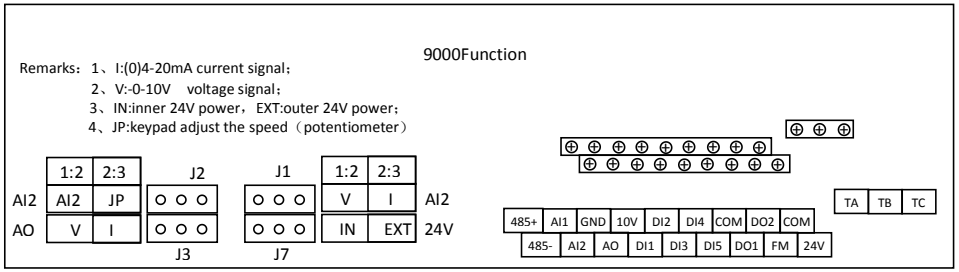


Fig.5

Table 2

1.7 Basic Wiring of Inverter



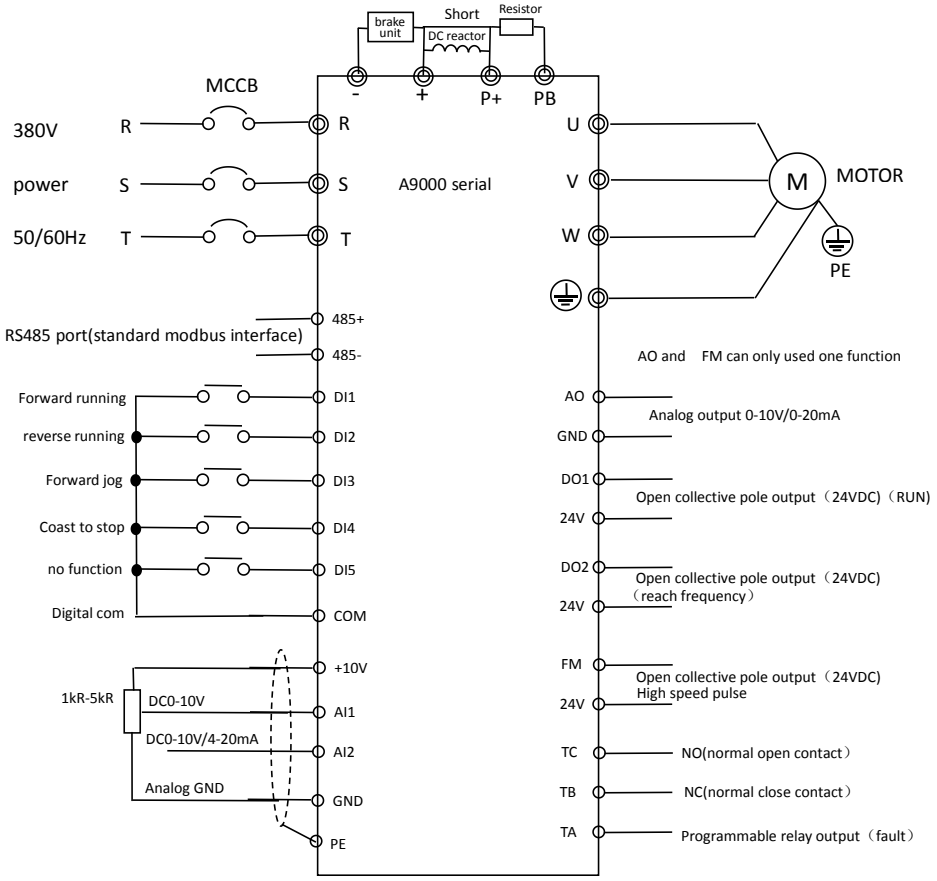


Fig.6

2 A9100 Serial Optimized high Performance Inverter

2.1 Technical specifications

2.1.1 standard functions maximum frequency

2.1.2 Carrier frequency 0.8-8kHz the carrier frequency is automatically adjusted based on the load features.

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

2.1.4 Control mode:V/F control

2.1.5 Startup torque:150%

2.1.6 Overload capacity:G type :60s for 150% of the rated current, P type:60s for 130% of the rated current.

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

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

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

2.1.10 JOG control：JOG frequency range：0.00Hz to maximum frequency JOG acceleration/deceleration time 0.00-6500.0s

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

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

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

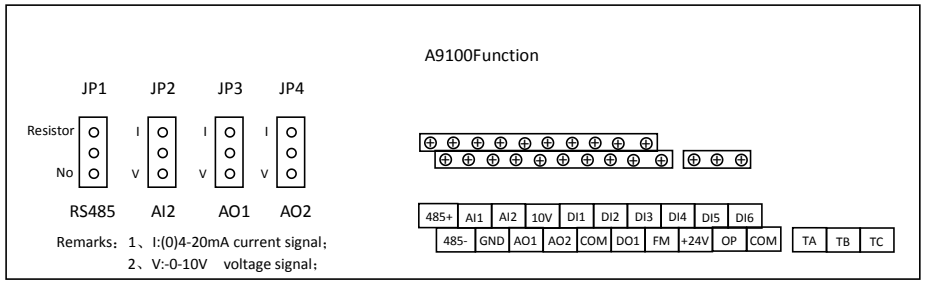
2.1.14 Over current fast prevention ： The function helps to avoid frequent overcurrent faults

2.1.15 Virtual I/O：Five groups of virtual digital inputs/outputs (DIs/DOs) support simple logic control.

2.1.16 Dual-motor：two groups of motor parameters and can control up to two motors.

2.2 Application range、Model nameplate、Model description are similar to 1.2 1.3 1.4； Product Appearance & Mounting Dimensions and Gross Weight &Packing Dimensions are the same as 1.5 and 1.6.

2.3 Basic Wiring of Inverter



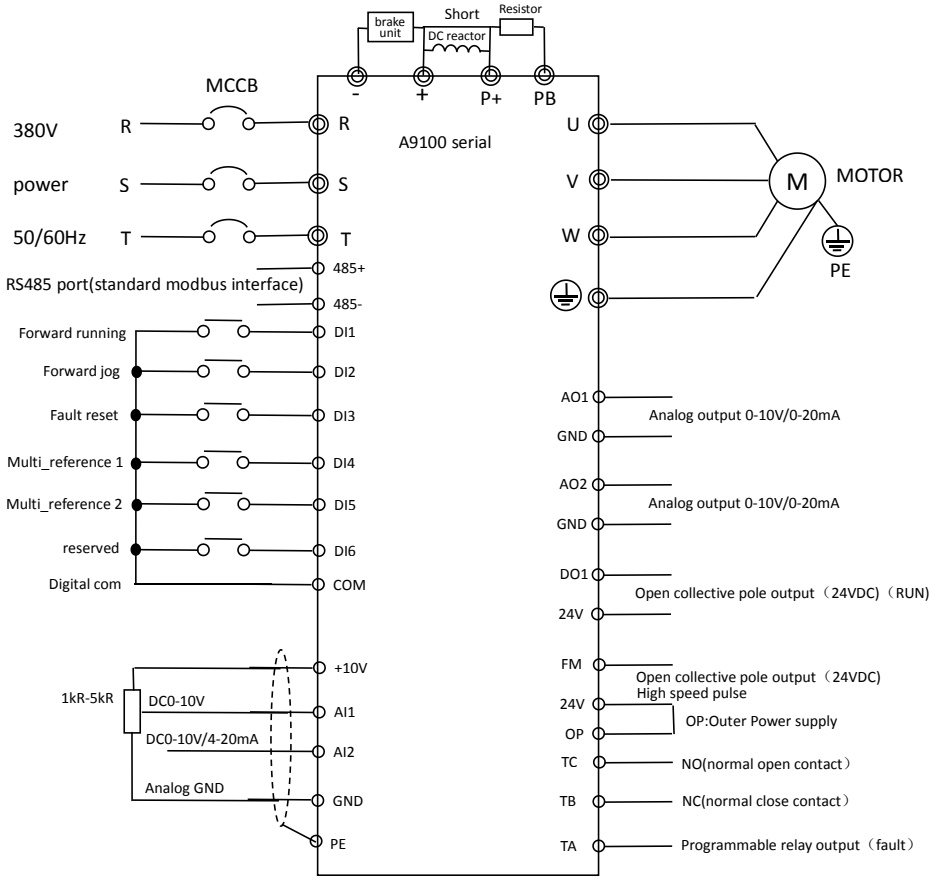


Fig.7

3 A9200 Serial high torque permanent magnet synchronous Inverter

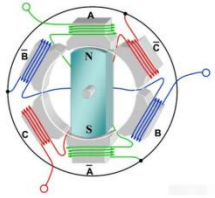
3.1 description

With the development of permanent magnet materials, permanent magnet synchronous motors are increasingly favored by consumers. Compared with asynchronous motors, permanent magnet motors have higher efficiency, lower power consumption and smaller volume. The A9200 serial high torque permanent magnet synchronous inverter came into being.

3.1.1 Carrier frequency 0.8-8kHz the carrier frequency is automatically adjusted based on the load features.

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

3.1.3 Control mode:SVC FVC V/F control



3.1.4 Startup torque:150%

3.1.5 Overload capacity:G type :60s for 150% of the rated current, P type:60s for 130% of the rated current.

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

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

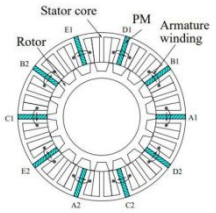
3.1.8 Ramp mode:straight_line ramp,S_curve ramp two groups of acceleration /deceleration time with the range of 0.00-300.0s(m)

3.1.9 JOG control：JOG frequency range：0.00Hz to maximum frequency JOG acceleration/deceleration time 0.00-6500.0s

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

3.2 other

Model plate description dimensions etc are same as A9100 serial.



4 EJ800 Multi_Functional Inverter

4.1 Technical specifications

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

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

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

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

4.1.5 Startup torque:150%

4.1.6 Speed range:1:50

4.1.7 Speed stability accuracy:1%

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

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

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

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

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

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

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

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

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

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

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

4.2 Application range

4.2.1 chemical industry ， oil collection,mine crashing

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

4.2.3 Paper_making equipment,chemical industry

4.2.5 Pharmaceutical industry，textile industry

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

4.2.7 solar pump、EPS

4.3 Model nameplate

EJITSU EJ800-G022/P030-T4

INPUT :AC 3PH 380V 50/60Hz

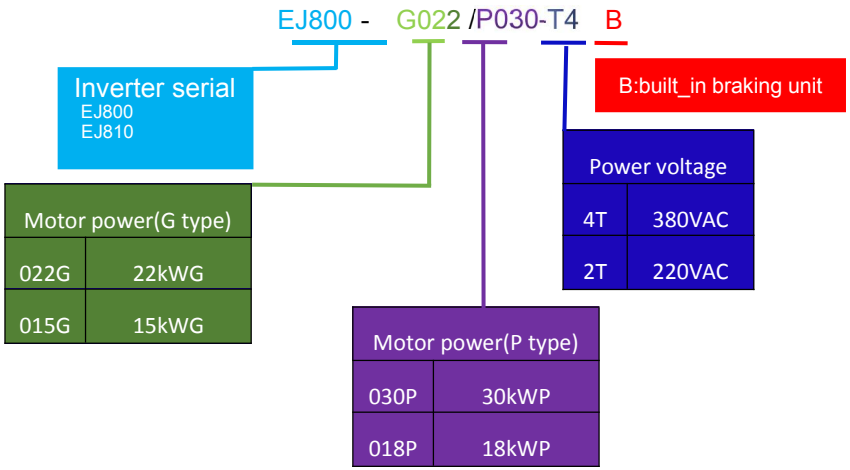
OUTPUT :AC 3PH 0-500Hz 45A

POWER: 22KW

V9Z22S/Q30T422080250031

Shenzhen Yishitong technology Co.,Ltd.

4.4 Model description



4.5 Product Appearance and Mounting Dimensions

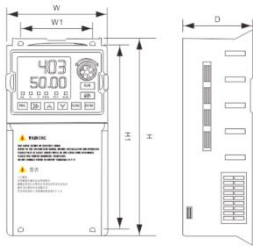


Fig. 8

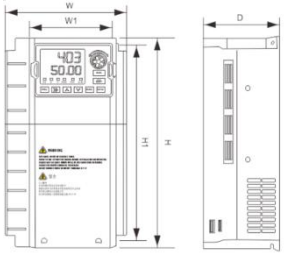


Fig.9

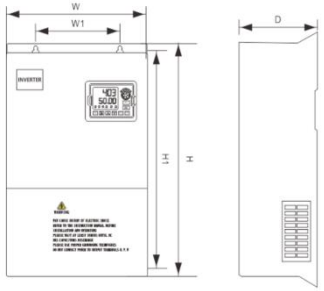


Fig.10

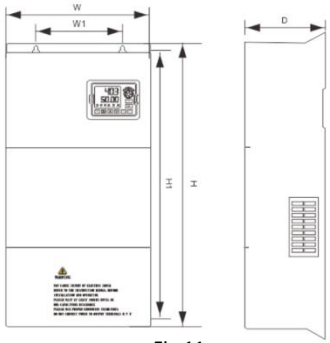


Fig.11

Power (kW)	Voltage (V)	In (A)	Fig.	Product Dimensions (mm)				
				W1	H1	H	W	D
0.75	220	4.0	Fig.8	78	2000	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						
7.5	380	16.0	Fig.9	129	230	240	140	180.5
11.0	380	24.0						
15.0	380	32.0	Fig.9	188	305	322	205	199
18.5	380	36.0						
22.0	380	44.0						
30.0	380	58.0						
37.0	380	70.0	Fig.10	195	470	490	270	205
45.0	380	90.0						
55.0	380	110.0	Fig.10	175	450	470	290	250
75.0	380	152.0	Fig.10	175	560	580	290	275
90.0	380	172.0	Fig.10	200	648	670	325	300
110.0	380	205.0						
132.0	380	253.0						
160.0	380	304.0	Fig.10	300	670	700	465	310
185.0	380	334.0						
200.0	380	380.0						
220.0	380	426.0	Fig.11	360	875	900	480	350
250.0	380	465.0						
285.0	380	520.0						
315.0	380	585.0	Fig.11	530	1040	1060	650	355
355.0	380	650.0						
400.0	380	752.0						
450.0	380	840.0	Fig.11	**	**	**	**	**
500.0	380	930.0						
560.0	380	1050.0	Fig.11	**	**	**	**	**
630.0	380	1150.0						
750.0	380	1370.0	Fig.11	**	**	**	**	**
800.0	380	1480.0						

Table 3

4.6 Product Gross Weight and Packing Dimensions

Ordering No.	Power (kW)	Gross Weight (Kg)	Fig.	Packing Dimensions (mm)		
				H	W	D
EJ800-G0R7/P1R5-T2B	0.75	1.2	Fig.11	212	95	154
EJ800-G1R5/P2R2-T2B	1.5	1.3				
EJ800-G2R2/P4R0-T2B	2.2	1.3				
EJ800-G0R7/P1R5-T4B	0.75	1.3				
EJ800-G1R5/P2R2-T4B	1.5	1.3				
EJ800-G2R2/P4R0-T4B	2.2	1.3				
EJ800-G4R0/P5R5-T4B	4.0	1.4				
EJ800-G5R5/P7R5-T4B	5.5	1.5				
EJ800-G7R5/P011-T4B	7.5	3.2	Fig.11	240	140	180.
EJ800-G011/P015-T4B	11.0	3.3				
EJ800-G015/P018-T4B	15.0	5.7	Fig.11	322	205	199
EJ800-G018/P022-T4B	18.5	5.8	Fig.11			
EJ800-G022/P030-T4B	22.0	6.2	Fig.11			
EJ800-G030/P037-T4B	30.0	6.7				
EJ800-G037/P045-T4	37.0	17.5	Fig.11	490	270	205
EJ800-G045/P055-T4	45.0	18.0				
EJ800-G055/P075-T4	55.0	22.0	Fig.11	470	290	250
EJ800-G075/P090-T4	75.0	28.0	Fig.11	580	290	275
EJ800-G090/P110-T4	90.0	45.0	Fig.12	670	325	300
EJ800-G110/P132-T4	110.0	46.0				
EJ800-G132/P160-T4	132.0	48.5				
EJ800-G160/P185-T4	160.0	63.0	Fig.12	700	465	310
EJ800-G185/P200-T4	185.0	65.0				
EJ800-G200/P220-T4	200.0	65.0				
EJ800-G220/P250-T4	220.0	91.0	Fig.12	900	480	350
EJ800-G250/P285-T4	250.0	93.0				
EJ800-G285/P315-T4	285.0	95.0				
EJ800-G315/P355-T4	315.0	135.0	Fig.12	1060	650	355
EJ800-G355/P400-T4	355.0	140.0				
EJ800-G400/P450-T4	400.0	150.0				
EJ800-G450/P500-T4	450.0	**	Fig.12	**	**	**
EJ800-G500/P560-T4	500.0	**				
EJ800-G560/P630-T4	560.0	**	Fig.12	**	**	**
EJ800-G630/P750-T4	630.0	**				
EJ800-G750/P800-T4	750.0	**	Fig.12	**	**	**
EJ800-G800/P1000-T4	800.0	**				

Table 4

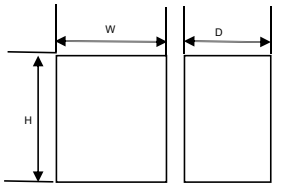


Fig.11

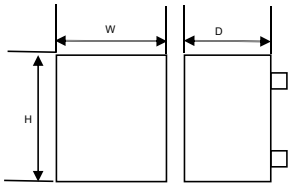
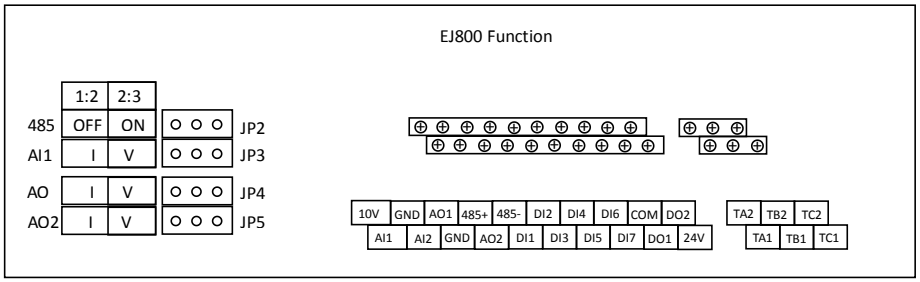


Fig.12

4.7 Basic Wiring of Inverter



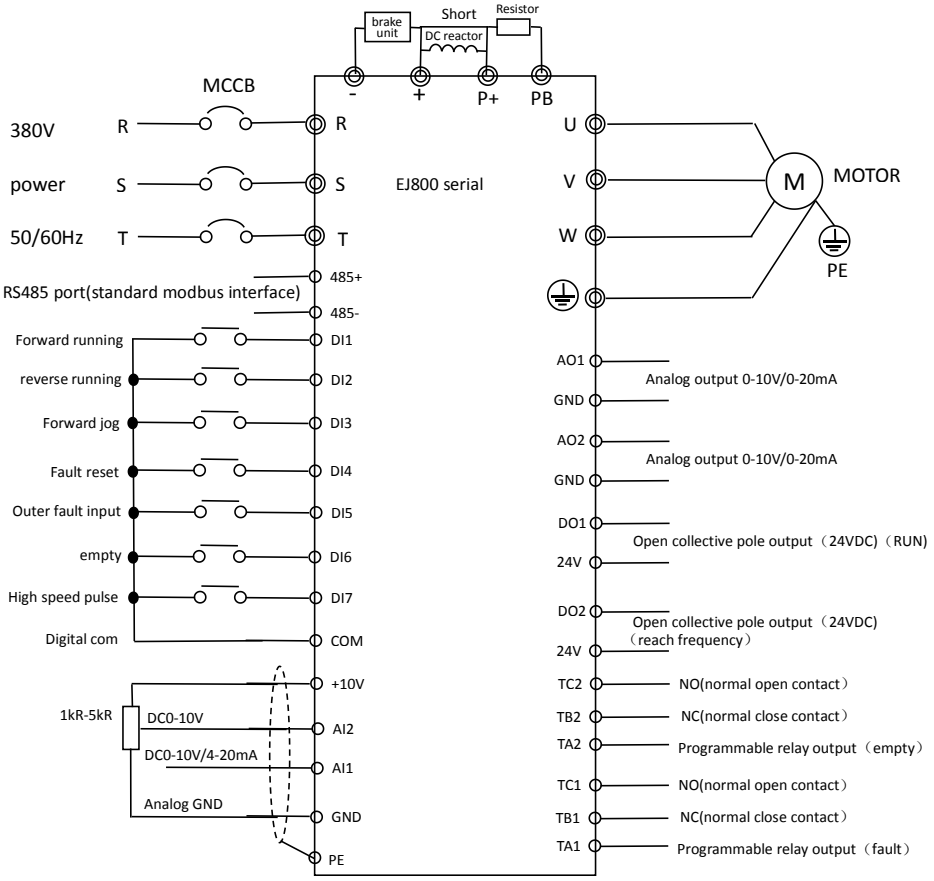


Fig.13

4.8 Application of solar pump inverter

4.8.1、Full English LCD interface, manual paperless, convenient for foreign customers to use；

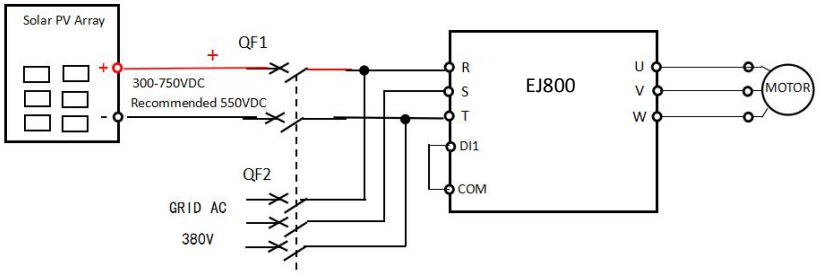
4.8.2、Support PV DC INPUT and GRID AC input；

4.8.3、Power-on automatic start；

4.8.4、Inner Over-voltage, under-voltage, over-current and other conventional protection；

4.8.5、Advanced MPPT Algorithm ensures that the tracking efficiency of solar power can reach 99%；

4.8.6、Software Algorithm water shortage protection without any detection hardware。



QF1 and QF2 can not be closed at the same time.
There is a mechanical linkage

Fig.14 basic PV DC power and GRID AC supply wiring

Table 5 Special Parameters of PV Water Pump

NO.	Parameter	Description	Default Valve	Remarks
1	F16.00	WS dect time	10.0	
2	F16.01	MPPT L-Point Vol	350	
3	F16.02	MPPT H-Point Vol	537	
4	F16.03	DN Curr Ratio	150.0	
5	F16.04	PV L-limit Freq	20.00	

5 KEYPAD

5.1 A9000(A9100/A9200) KEYPAD

Fig.15 A9000(A9100/A9200) keypad

Table 6 A9000 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	MF.K	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
9	QUICK	reserved

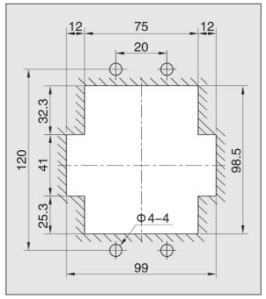


Fig.16 mounting hole dimensions of theA9000 external keypad

5.2 EJ800 KEYPAD

Fig.17 EJ800 LED keypad

Fig.18 EJ800 LCD keypad

Table 7 EJ800 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

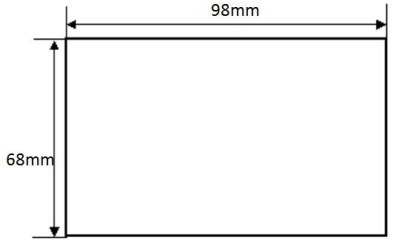


Fig.19 mounting hole dimensions of the EJ800 external keypad