PROSTAR®
Drivering your future.....

PR7000

Frequency inverter/AC Driver

PR7000 series frequency inverter, one of our best selling ones with high performance, which has very stable quality, low noise and good anti-jamming capacity, can meet your requirements for various applications. As a general series of V/F control frequency inverter, it opens more than 130 function codes to users that can deduce much more operations and codes. By blocking design, the measure of torque elevation is strengthened, the system function is enriched, the maneuverability is improved and the Electro-Magnetic Interference is reduced much. Now PR7000 series inverters are widely used in the industries of printing, lathe, plastic, paper making, textile, dyeing, foodstuff, rubber, fan, pump, and so on.

Performance Indexes

Items		Specification
Input	Rated Voltage	3-phase 380V±15%; single phase 220V±15%
	Rated Frequency	50/60Hz ± 5%
Output	Rated Voltage	3-phase 0~437V; single phase 0~253V
	Rated Frequency	0.5~400Hz
V/F Control	Core Control Mode	Linear V/F control; space voltage vector + random PWM
	Frequency Resolution	Up to 0.01Hz, allowable to be adjusted.
	Torque Promotion	The curve of torque promotion(V/F) can be set in the range of 1~16
	Stall Adjustment	Current limited output, and the threshold current can be modulated
	Overload Ability	150% rated current with the duration of one minute
Operation Functions	Frequency Setting	Potentiometer or external analog signal (0~5V, 0~10V, 0~20mA); keypad controller(terminals) ▲/▼ key, external control logic unit or PLC setting
	Start/Stop Control	Passive~contact control or keypad control
	Accelerating/ Deceleration time	0.1~3000s(the time needed to make a certain frequency change)
Protection Functions	Input Out-phase, DC bus Over-voltage, Under-voltage, Over-current, Over-load, Over-heat, Stall Adjustment for Out Current	
Display	The LED display shows present frequency, present motor revolution speed(rpm), present output current, present output voltage, present line speed, the fault-type, system parameters and operating codes; LED lamps indicating the operation state of the inverter	
Environment Conditions	Location	Free of corrosive gas and dust
	Environment Temperature	-10℃~50℃
	Environment Humidity	<90%(no moisture condensation)
	Intensity of Vibration	<0.5g (acceleration of gravity)
Applicable Motor	Single phase 0.4~2.2KW; Three phase 0.75~75KW	

PROSTARELE

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Update from F1500 -G

PR7000-0015 S2 G

Company Code
Product Series
Applicable Motor
(0015:1.5KW 2HP)
General Use &Constant Torque
S2 single-phase 220VAC input
T3 three-phases 380VAC input

The features of PR7000 Inverter:

- Combination of 16 microprocessors, space voltage vector control and random PWM control.
- Free running through Keypad Control and Analogue Control.
- Multi-speed control(including multi-speed running, automatic circulating running, 8-stage speed running, compound speed control) and code timing speed control, PC or PLC speed control.
- Jogging speed control, external analog signal speed control, definition for definable terminals.
- Stall adjustment and output with restriction on currents.
- Output torque promotion, Speed-drop and Automatic slip compensation.
- Current Coefficient and Output Current Compensation.
- Timing Control and the Token Output.
- DC braking+Optimized Energy - Consumption braking.
- Controlled by keypad, 485 communication control box, PC and PLC, and 125 pieces of inverters can be operated at the same time.
- Standard Modbus Communication.

Product List

Models	Rated		Structure Code	Applicable Motor(KW)	Remarks
	Input Voltage (V)	Current(A)			
PR7000-0004S2G	220(single-phase)	2.5	B1	0.4	Single-Phase Inverter (without internal braking unit)
PR7000-0007S2G	220(single-phase)	4.5	B2	0.75	
PR7000-0015S2G	220(single-phase)	7.0	B2	1.5	
PR7000-0022S2G	220(single-phase)	10.0	B3	2.2	
PR7000-0007T3G	380(three-phase)	2.0	B3	0.75	Three-Phase Inverter (with internal braking unit)
PR7000-0015T3G	380(three-phase)	4.0	B3	1.5	
PR7000-0022T3G	380(three-phase)	6.5	B3	2.2	
PR7000-0037T3G	380(three-phase)	8.0	B4	3.7	
PR7000-0040T3G	380(three-phase)	9.0	B4	4.0	
PR7000-0055T3G	380(three-phase)	12.0	B5	5.5	
PR7000-0075T3G	380(three-phase)	17.0	B5	7.5	
PR7000-0110T3G	380(three-phase)	23	C2	11	
PR7000-0150T3G	380(three-phase)	32	C2	15	
PR7000-0185T3G	380(three-phase)	38	C3	18.5	Three-Phase Inverter (without internal braking unit)
PR7000-0220T3G	380(three-phase)	44	C3	22	
PR7000-0300T3G	380(three-phase)	60	C4	30	
PR7000-0370T3G	380(three-phase)	75	C5	37	
PR7000-0450T3G	380(three-phase)	90	C5	45	
PR7000-0550T3G	380(three-phase)	110	C6	55	
PR7000-0750T3G	380(three-phase)	150	C6	75	

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