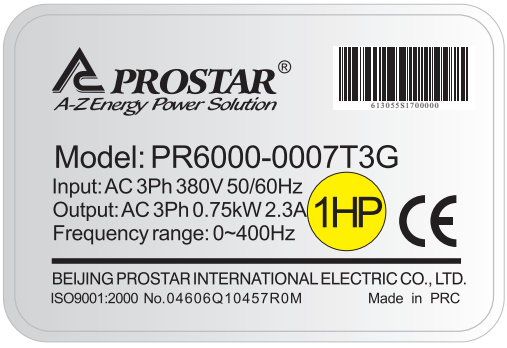
PROSTAR®
A-Z Energy Power Solution

PR6000 Series
0.4KW to 630KW

AC Driver
frequency
General use INVERTER

PR6000 series inverter is a device of high torque, high accuracy and wide range of speed regulation, designed with the brand-new idea .

Based on improving stability, it is provided with many run and control functions such as simple PLC control, practical PI adjustment, flexible input and output terminal control parameter online amendment, pulse frequency setting power-off and stopping parameter storage, wobbling control RS485 control, constant pressure water supply control and so on. This inverter provides equipment manufacturer and terminal user with integrated solution of high integration level; helps to reduce the system purchase and operation cost, and improves the reliability of system.



Product List

Voltage class	Model	Rated capacity (KVA)	Rated output current (A)	Applicable motor (KW)
380V Three phase	PR6000-0007T3G	1.5	2.3	0.75
	PR6000-0015T3G	3.7	3.7	1.5
	PR6000-0022T3G	4.7	5	2.2
	PR6000-0040T3G	6.1	8.5	4
	PR6000-0055T3G	11	13	5.5
	PR6000-0075T3G	14	17	7.5
	PR6000-0110T3G	21	25	11
	PR6000-0150T3G	26	33	15
	PR6000-0180T3G	31	39	18.5
	PR6000-0220T3G	37	45	22
	PR6000-0300T3G	50	60	30
	PR6000-0370T3G	61	75	37
	PR6000-0450T3G	73	90	45
	PR6000-0550T3G	98	110	55
	PR6000-0750T3G	130	150	75
	PR6000-0900T3G	170	176	90
	PR6000-1100T3G	138	210	110
	PR6000-1320T3G	167	250	132
	PR6000-1600T3G	230	310	160
	PR6000-2000T3G	250	380	200
	PR6000-2200T3G	280	415	220
	PR6000-2450T3G	340	475	245
	PR6000-2800T3G	450	510	280
	PR6000-3150T3G	460	605	315
	PR6000-3500T3G	600	800	350
	PR6000-4000T3G	730	900	400
	PR6000-5000T3G	850	1000	500
	PR6000-5600T3G	1000	1200	560
	PR6000-6300T3G	1200	1300	630
220V Single phase	PR6000-0004S2G	0.7	2.5	0.4
	PR6000-0007S2G	1.4	4	0.75
	PR6000-0015S2G	2.6	7	1.5
	PR6000-0022S2G	3.8	10	2.2

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Beijing Prostar International Electric Co., Ltd.

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Performance Indexes

Item		Specifications
Input	Rated voltage and frequency	Single-phase 220V, three-phase 220V, three-phase 380V; 50Hz/60Hz
	Variable allowable value	Voltage: -20% ~ +20% Voltage unbalance: <3% Frequency: +/-5%
Output	Rated voltage	0 ~ 200V/220V/380V
	Frequency range	0Hz ~ 400Hz
	Overload capability	150% for 1 min, 180% for 1s, 200% instant protection
Main control function	Control mode	Space voltage vector PWM control (With superior low-frequency dead zone compensating characteristic)
	Frequency resolution	Digital setting: 0.01Hz ; Analog setting: Max frequency ×0.1%
	Torque rise	Auto torque rise, manual torque rise 1% ~ 30.0%
	Curve	Three ways : Linear V/F curve, Square V/F curve, User self-defining V/F curve
	Built-in PI	It is convenient for forming closed loop control system, applicable for course control like pressure and flow, etc..
	Multi-speed operating	Realize multi-speed running by built-in PLC or control terminal.
	Weaving wobble frequency	Can get wobble frequency of adjustable central frequency
	Auto voltage adjustment	When main voltage changes, the output voltage may be kept constant by adjusting PWM output (AVR function).
	Auto energy-saving running	According to load condition, V/F curve can be optimized automatically to get the aim of energy-saving running.
	Auto current limiting	Limit in-service current automatically, so as to avoid tripping for fault caused by frequent over current.
Running function	Frequency setting passage	Setting of keyboard analog potentiometer; setting of keyboard ▲, ▼ keys; setting of functional code digits; setting of serial port, setting of terminal UP/DOWN, setting of analog voltage, setting of analog current ; setting of impulse, setting of combination; switching at any time by kinds of setting ways.
	Switch input passage	Forward/reverse rotating command, 6-way programmable switching value input to set 21 functions.
	Analog input passage	2-way analog signal input, 4 ~ 20mA, 0 ~ 10V optional.
	Analog output passage	Analog signal output 0 ~ 10V to get output of physical quantity like frequency and output frequency
	Switch output passage	2-way programmable open collector output; 1-way relay output signal, to get output of different physical quantities.
Protection function		Over current, over voltage, under voltage , over heat, over load, etc.
Option		Braking unit, remote operating panel, remote cable, soleplate of keyboard.
Structure	Protection class	IP20 (In service state or keyboard state
	Cooling way	
Installation mode		

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