

电机环保节能器 | Energy Saving Machine (AC Drives) PS7800^{Series}

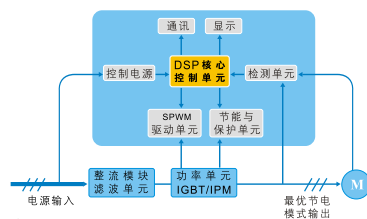
Product orientation:

Depending on electric control cutting-edge technology and electric motor running features, POWTRAN developed this new generation product with high-quality, multi-functional motor control, environmental protection and energy saving. It has integrated space voltage vector, PWM, vector control technology, adopted high-performance power module and advanced energy-saving manufacturing process, which let it be innovative and worldwide advanced. This product is different from electrical energy saver in the past, with variable speed to meet the dual effect of technology and energy saving and low-speed, heavy load equipment control. That truly realizes intelligent, systematic and individual management of the energy savings.



Technical specification:

- Adopting Texas Instruments TI 32-bit DSP chip as the core control unit, optimized space vector control technology, realized high performance control system
- Application of high performance power module IGBT and advanced energy-saving device manufacturing process, the motor Input power and control system integration
- With automatic torque compensation, automatic voltage regulation, the instantaneous power speed tracking re-start function;
- Built-in PID function enable high-performance closed-loop control
- Humanistic design to avoid user secondary processed, input and output connected to use of green energy. And automation products, flexible and convenient; with LCD display, its all parameters are passed on the touch panel key input, all the settings and operation and fault conditions are displayed on the screen, etc.
- Powerful communications capabilities support the standard Rs485 and Can Bus, setting. a computer interface for the DCS system monitoring, to provide remote control keyboard function, and PLC, PC and other connections, can facilitate the automatic composition to meet the different needs of control system



PS7800 电机环保节能器 示意图



Nameplate:



Capacity range:

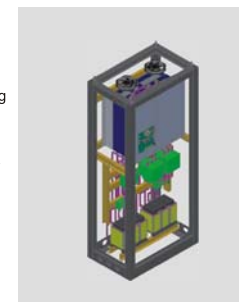
Power range : 11-560kW
Voltage: three phase 380V

Specification and Size:

Model PS7800 ●●●□3	Light load F series 3 phase 380V AC		Standard load G series 3 phase 380V AC		Structure Item	Shape dimensions l(mm)	Shape dimensions ll(mm)
	PF kW	IF A	PG kW	IG A			
3-phase power supply 380-460V 50/60Hz							
PS7800 ●●●□3	11	25	7.5	16	6N3	500*400*1200	350*350*900
PS7800 ●●●□3	15	32	11	25			
PS7800 ●●●□3	18.5	38	15	32			
PS7800 ●●●□3	22	45	18.5	38	6N4	600*500*1700	450*350*1100
PS7800 ●●●□3	30	60	22	45			
PS7800 ●●●□3	37	75	30	60			
PS7800 ●●●□3	45	90	37	75	6N5	600*600*2200	600*400*1300
PS7800 ●●●□3	55	110	45	90			
PS7800 ●●●□3	75	150	55	110			
PS7800 ●●●□3	93	170	75	150			
PS7800 ●●●□3	110	210	93	170			
PS7800 ●●●□3	132	250	110	210			
PS7800 ●●●□3	160	300	132	250	6N6	800*600*2200	750*500*1700
PS7800 ●●●□3	187	340	160	300			
PS7800 ●●●□3	200	380	187	340			
PS7800 ●●●□3	220	415	200	380	6N6B	800*600*2200	800*600*2200
PS7800 ●●●□3	250	470	220	415			
PS7800 ●●●□3	280	520	250	470			
PS7800 ●●●□3	315	600	280	520	6N7	1000*600*2200	
PS7800 ●●●□3	355	640	315	600			
PS7800 ●●●□3	400	750	355	640			
PS7800 ●●●□3	450	800	400	750	6N7B	1200*600*2200	
PS7800 ●●●□3	500	920	450	800			
PS7800 ●●●□3	560	988	500	920			
PS7800 ●●●□3	630	1094	560	988	6N8B	1600*600*2200	
PS7800 ●●●□3	710	1336	630	1094			

Selection Guide:

- 1, According to motor load to select proper environment protection and energy saving drive, it is not only meet the technical requirements but also achieve economic objectives. For light-load fan and pump loads. Generally based on 1.1 times to choose the green driver; but for the heavy load torque big flywheel or requiring frequent starting and stopping operation load, generally based on 1.2 or more times of rated current to choose proper green driver.
- 2, 710 kW or more high-power electrical devices and special load drive can be specially ordered according to customer requirements.
- 3, the cabinet of the standard protection class is IP20, need other protection products according to customer requirements, special order.
- 4, the products are standard GGD cabinet, Rittal cabinet and other counter-based, according to customer requirements, using modular design.
- 5 When ordering, please specific needs of the site and system, using environment, installation conditions, EMC requirements and other requirements of application.



Modular design