



### Main Features

- 💡 Double conversion
- 💡 SPWM and IGBT
- 💡 Low harmonic distortion
- 💡 Fixed and variable selectable
- 💡 Pure sine wave output
- 💡 Isolated output transformer
- 💡 LED/LCD display, key buttons
- 💡 Complete protections
- 💡 Single & triple phase available

## PX SERIES

1kVA ~ 2000kVA  
**AC Power Supply**  
**Solid State Frequency Converter**



PX Electronics PX series solid state / static frequency converter is one of the most popular AC power supplies designed to change AC power at 50Hz to 60Hz or 60Hz to 50Hz, or convert conventional 50/60 Hertz to 400Hz or convert 50/60Hz to 16.67Hz/25Hz/100Hz.

### APPLICATIONS

- 💡 Home appliance
- 💡 Electrical equipment
- 💡 Laboratory and test
- 💡 Aviation and avionics
- 💡 Marine electronics
- 💡 Motors and pumps

💡 **PX Electronics LTD® POWER SOLUTION EXPERT**  
We Are Committed To Providing Excellent Power Products And Solutions To Customers Around The World.

💡 **GOOD QUALITY**  
PX Electronics PX series solid state / static frequency converter is one of the most popular AC power supplies for industrial/commercial application.

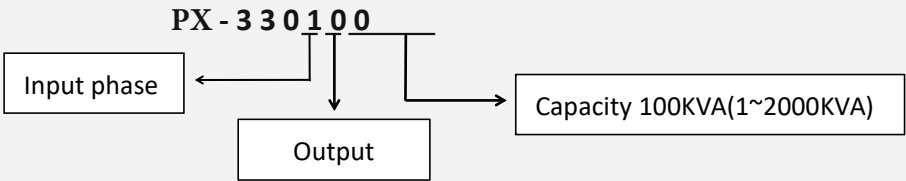
💡 **FUNCTION**  
PX AC power supplies designed to change AC power at 50Hz to 60Hz or 60Hz to 50Hz, or convert conventional 50/60 Hertz to 400Hz or convert 50/60Hz to 16.67Hz/25Hz/100Hz.

💡 **ADVANCED TECHNOLOGY**  
PX Electronics PX series static converters adopt built-in rectifier to convert incoming AC power into DC and then invert the DC into desired frequency and voltage through IGBT and built-in isolation transformer.

💡 **MAIN JOB**  
PX Electronics PX series features many advantages, making them ideal not only for export product testing or operation of imported equipment, but also for applications such as the testing of military/avionics equipment or for the operation of 400 hertz electronics that are on board an aircraft or a military vessel.

MODEL SELECTION

Model Selection of PX Electronics PX series solid state frequency converter shown below



TECHNICAL SPECIFICATION

Capacity	<b>Single Phase output units:</b> 1kVA,3kVA,5kVA,10kVA,15kVA,20kVA,30kVA,50kVA, 60kVA,75kVA,100kVA,150kVA,200kVA(Select One specific kVA) <b>3-Phase output units:</b> 1kVA,3kVA,6kVA,9kVA,15kVA,20kVA,30kVA,45kVA,60kVA, 100kVA,150kVA,200kVA,300kVA,400kVA,500kVA~2000kVA (Select One kVA)	
Input		
Single phase (Select One Individual Voltage)	110Vac ±10%, 115Vac ±10%, 120Vac ±10%	
	127Vac ±10%,220Vac ±10%,230Vac ±10%,240Vac ±10%	
Three phase (Select One Individual Voltage)	115-127(L-N)/200-220V(L-L) ±10%,220-240(L-N)/380-415V(L-L) ±10%,3Phase+N	
	440V(L-L) ±10%,480V(L-L)±5%, 3 Phase+G	
Frequency	50Hz/60Hz ±5%,400Hz(Optional)	
Power factor	≥ 0.8 (standard type)	
	≥ 0.9 (optional type, 12 pulse)	
Output		
Single phase (Select One Individual Voltage)	Fixed	110V, 115V, 120V, 127V, 220V, 230V, 240V
	Adjustable	Two Range:0~150V/0~300V
Three phase (Select One Individual Voltage)	Fixed	115/200V(L-N/L-L), 120/208V(L-N/L-L), 127/220V(L-N/L-L), 220/380V (L-N/L-L), 230/400V(L-N/L-L), 240/415V(L-N/L-L), 254/440V(L-N/L-L), 277/480V(L-N/L-L),3Phase+N
	Adjustable	Two Range:0~260V(L-L)/0~520V(L-L),3Phase+N
Frequency	Standard	50Hz ,60Hz, 100, 200Hz,45-200Hz(adjustable)
	Optional	400Hz,40Hz~500Hz (adjustable),16.67Hz, 25Hz,400-1000Hz

Voltage Accuracy	$\leq \pm 1\%$ FS (Full Scale)
Frequency Accuracy	$\leq \pm 0.01\%$ FS (Full Scale)
Total harmonic distortion	THD $\leq 3\%$ @ linear load, pure sine wave output
Crest	3:1
Overload	100% for continuous, 101-200% shut down in 200ms
Interface	Non for standard units, RS232/RS485/GPIB(Optional)
Protection	over current, over load, over voltage
	over heat, short circuit, alarm and indicators
Enclosure IP	IP22 (Standard) , IP32, IP54(Optional) Or as per requirement
LED/LCD display	Digital frequency meter
	Digital voltage meter
	Digital current meter
	Digital power/PF meter
<b>Working condition</b>	
Temperature	Operation: $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$
	Ambient: $-10^{\circ}\text{C} \sim 45^{\circ}\text{C}$
Noise	$\leq 65\text{dB}$ at 1 meter
Humidity	10~90% non-condensing
Altitude	$\leq 1800\text{m}$
<b>Reliability and Efficiency</b>	
Mean Time Between Failure(MTBF)	50,000H
Mean Time To Restore(MTTR)	< 30 min
Overall efficiency	$\geq 85\%$
<b>Standards</b>	GB50054-95, GB 50150-1991, GB 50150-2006, GB 50171-1992, GB/T 16935.5-2008, GB/T16935.4-2011
	EN IEC61000-3-2, EN 6100-3-3, EN55032, EN55035, MIL-STD 461, MIL-STD704, STANAG 1008

PX Electronics Reserves the right to change or modify product design, construction, specification or material without prior notice and without incurring any obligation.



### SERVICES

**PX Electronics** applies for various specific applications and power solution: electric environmental consideration, load arrangements optimization, power capacity matching advice, customization design, high effective manufacturing, on time technical support & etc.  
Any power problems, come to PX Electronics.



### SHORT DELIVERY

Our models are available from stock .  
2-3 weeks for the standard models, please feel free to contact us if you want a shorter lead time on certain products.



### CUSTOMIZED SOLUTIONS

**PX Electronics** are able to meet most requirements of customers.  
If custom built solutions are required, we can redesign & make it according to your requirements.



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### PX Electronics PRODUCTS RANGE



Frequency Converter / AC Power Supply



Frequency Converter / GPU



Static Voltage Stabilizer



Servo Voltage Stabilizer



Shore Power Supply/Marine FCs



DC Ground Power Unit



Programmable DC Power Supply



Uninterruptible Power Supply (UPS)



Resistive/Electronic Load Bank



Pure Sine Wave Dc To Ac Inverter