

## **Преобразователи частотные РОMING**

**НРА-3110, НРА-3115, НРА-3120, НРА-3130, НРА-3145, НРА-3160,  
НРА-3175, НРА-3190, НРА-31100, НРА-31120, НРА-31150**

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# **Three in single out HPA Series frequency converter 10KVA~150KVA**

HPA Series frequency converter adopts VPWM high-frequency technology (pulse wave width modulation technology), uses high-power imported IGBT module design, input and output are fully isolated, with stable and adjustable frequency, voltage regulation and frequency, voltage, current, Power digital indication and other functions can simulate the power grids of various countries in the world.



## **Product characteristics :**

- Output voltage: single voltage 0-330 v, three-phase 0-520v.
- Output frequency: 40-4999.9hz programmable dial setting.
- Voltage, frequency, current, power meter using 4-bit digital led display, convenient, easy to read, high resolution.
  - Voltage (V), frequency(HZ), current(A), capacity factor(W),power measurement at the same time, display, do not need to switch.
  - No radiation interference, including small harmonic components, and after special treatment, no interference.
- Pure, steady sinusoidal output.
- Large capacity, small volume, light weight, high efficiency, mute device, high reliability.
- Strong overload capacity, instantaneous current can withstand 3 times the rated current.
  - There are over-current, over-high temperature, short-circuit, instantaneous power failure protection and warning devices.
- Suitable for use in resistive, capacitive, inductive and other nonlinear loads.

## **Use occasion**

- Overseas sales product testing
- Simulate the power grid condition of the product export destination.
- Forecast test of all kinds of product certification.
- Product life test.
- Power adaptability test in professional laboratory.
- Transformer, motor and other winding products frequency doubling test.

## Technical parameters

Three in single out	HPA-3110	HPA-3115	HPA-3120	HPA-3130	HPA-3145	HPA-3160	HPA-3175	HPA-3190	HPA-31100	HPA-31120	HPA-31150								
Capacity	10KVA	15KVA	52KVA	30KVA	45KVA	60KVA	75KVA	90KVA	100KVA	120KVA	150KVA								
Circuit mode	Pulse width Modulation method for IGBT VPMW																		
AC input	3 phase 4 lines G 380 V ±10 % / 50 HZ 60 HZ																		
output	Phases	Single phase																	
	Low voltage	0V-150V Customizable according to customer requirements																	
	high voltage	0V-300V Customizable according to customer requirements																	
	Frequency	40.0HZ-499.9HZ																	
	Low maximum current	84	125	168	250	375	500	625	750	840	1000	1250							
	High maximum current	42	62.5	84	125	187.5	200	312.5	375	420	500	625							
	Frequency stability rate	≤0.1%																	
Load stability rate		≤0.5% resistive load			≤1% resistive load														
waveform distortion factor					≤2% resistive load														
Response time		≤2ms																	
Indicative resolution	Digital frequency meter	4-digit, resolution 0.1hz																	
	Digital voltmeter	4 - digit , resolution 0.1v																	
	Digital ammeter	A number below 4A: 0.001a 4A or more than 0.01A.																	
	Digital power meter	4-digit, resolution 1w																	
Protective device		Overload, short circuit, over temperature, protection and warning																	
Cooling equipment		Forced fan cooling																	
Environment	working temperature	0°C-45°C																	
	relative humidity	0-90% non-condensing																	
Size (high * wide * deep mm)		180*430*460			1100*500*780		1200*710*860		1600*800*1100			1600*900*1170							
weight (KG)		110	120	140	200	265	320	360	420	500	550	600							