

## **Преобразователи частотные РОMING**

**HPC-1005, HPC-1010, HPC-1020, HPC-1030, HPC-1050,  
HPC-1080, HPC-1100, HPC-1150, HPC-1200**

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# **Single phase HPC series program frequency converter 500W ~ 20KVA**

HPC series program variable frequency power supply adopts frequency modulation SPWM hardware technology, high-power MOS/IGB drive, fast response, stable, reliable, and strong overload capacity.



## **Product characteristics :**

HPC series program variable frequency power supply adopts frequency modulation SPWM hardware technology, high-power MOS/IGB drive, fast response, stable, reliable, and strong overload capacity. It is applicable to various loads such as resistive, inductive, and rectifier, and has overheating and overcurrent, short circuit and other abnormal condition protection function, with parameter memory function, shortcut key operation mode, easy to use, power supply voltage online adjustable, output frequency can be optional, using bright LED display, clear eye-catching, large viewing angle, convenient production line Use, with RS232 communication interface, baud rate up to 9600.

## **Product Characteristics**

- Programmable control power limit.
- Applicable load is wide, load power factor is + 0.7~1.
- Voltage, frequency setting, digital keystroke input, high accuracy.
- Has 10 groups of memory, can cooperate with different specifications, for voltage, frequency setting.
- Including GPIB, with TALK LISTEN and other functions, and can be connected to the computer.
- Adopt advanced digital sinusoidal synthetic mark manufacturer, waveform is normal, distortion is small.
- No radiation interference, including small harmonic components, and after special treatment, no interference.
- The starting angle of the waveform can be set, which is suitable for measuring the peak current of the nonlinear load.
- With data input lock function, prevent error data, ensure testing security.
- This series of products above 1 K all use high-tech VPWN technology, high efficiency, good function.
- When setting parameters (such as V.F.T) and LCD frequency-setting values, avoid input errors.
- The frequency range is wide: 45.0HZ / 500HZN: 45.0HZ / 999.99HZ.
- Measuring function: measurable voltage, frequency, time, current, peak current, power, power factor.
- Type subtitle LCD frequency display, functional, set key split, easy and stable operation.
- This machine can set 5 groups of voltage, frequency, time memory, and can do 99 consecutive cycle tests.

## **Occasions for use**

- Professional laboratory (EMI/EMC/ security).
- Manufacturing Plant (quality Assurance / Life Test).
- Export products testing, simulation of national power grids.
- Product development test.

## Technical parameters

Model		HPC-1005	HPC-1010	HPC-1020	HPC-1030	HPC-1050	HPC-1080	HPC-1100	HPC-1150	HPC-1200							
capacity		500W	1KVA	2KVA	3KVA	5KVA	8KVA	10KVA	15KVA	20KVA							
Input	Voltage	1 phase 2 lines 220V±10															
	Frequencies	50HZ, 60HZ±5%															
Output	Voltage	Low grade:0V-150V;High grade:0-300V															
	Frequencies	45.0HZ-500HZ (Option: 45HZ-999HZ)															
Output	Maximum current low (A)	4.2	8.4	16.8	25	42	67	84	126	168							
	Maximum current upscale (A)	2.1	4.2	8.4	12.5	21	33.5	42	63	84							
Frequency stability rate		≤0.01%															
Load stability		≤0.5%		≤1%													
Suitable for load power factor		≤0.3%		±0.7-1 can be													
Total harmonic distortion		≤1%															
Meter indication		Large LCD display: voltage, current, frequency, power, P-P current, timer															
Protective device		Overload, short circuit, over temperature, protection and warning															
Working environment		Temperature: 0°C-40°C Humidity: 10-90%															
Size (mm)		430*178*515	430*220*550	425*415*540			480*940*600		600*1300*720								
Weight (KG)		33	49	58	66	81	150	160	180	230							

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