

Programmable AC Power Source

3U, Single-Phase, 300Vrms, 5kVA, 45-65Hz

HAP11L5000



Features

- 7-inch intuitive touch screen.
- 3U, single-phase two-wire.
- Output: 300Vrms, 23A, 5kVA.
- Output frequency: 45-65Hz.
- Output mode: AC.
- Soft start function.
- List outputs the sequence waveform.
- 10 sets of preset quick outputs allow users to store ten settings.
- Bar drawing: display the values and trends of real-time power parameters.
- Power accumulation: count the total electricity consumption, facilitate cost accounting, energy efficiency analysis and power consumption management.
- Built-in USB, RS232, /CAN/RS485 interface, optional LAN.

Specification

The specifications apply when the AC Power Source is powered on for at least 30 minutes under +20°C~+30°C.

Model	HAP11L5000
AC Output	
AC voltage	0-300.0V Rated voltage: 220.0V
Resolution	0.1V
Voltage setting accuracy	≤0.1%
Output Current	
Crest factor	1.41±0.1
Rated current	23A
Output Power	
Power rating	5kVA
Frequency	
Output frequency	45-65Hz
Set resolution	0.1Hz
Set accuracy	≤0.05%
Phase	Single-phase two wire (1P2W)
Output Stability	
Line regulation	≤1%
Load regulation	≤1%
Total harmonic distortion	<2% (linear load)
Measurement	
AC voltage resolution	0.1V
AC voltage accuracy	0.2% F.S. + 0.3% display value
rms current resolution	0.1A/1A
rms current accuracy	0.3% F.S. + 0.5% display value
Frequency resolution	0.1Hz
Frequency accuracy	0.05%
Efficiency	> 90%
Output	
Response time	≤2ms
Transient response	≤20ms
Test Function	
Number of memories	10

Soft start settings	Real time adjustment of the output voltage setting in start-up state
AC Input	
Wiring connection	1 phase 2 wire + ground (PE)
Input Voltage	220V±10%
Input Frequency	50/60Hz
General	
Overload Capacity	105% < overload ≤ 110% cuts off output after 60 seconds 110% < overload ≤ 120% cuts off output after 5 seconds
Protection	Output overcurrent, overload protection, output short circuit protection, overtemperature protection
Display	7-inch LCD display, touch screen
Interface	
Standard	USB, RS232, CAN/RS485
Optional	LAN
Environmental conditions	
Operating temperature range	0 to 40 °C
Operating humidity range	20~90%RH (non-condensing)
Dimensions & Weight	
Net Weight	19.6 kgs
Dimensions (L x W x H)	500 x 430 x 132 mm