

### AC Constant Current Power Supply ANCC(F) Series



#### Product Introduction

ANCC(F) series AC constant current source adopts FPGA digital control, instantaneous wave control and high-frequency Sine Pulse Width Modulation (SPWM) technology, fast response, high output precision, and excellent wave; constant current AC wave output, strong load adaptability;

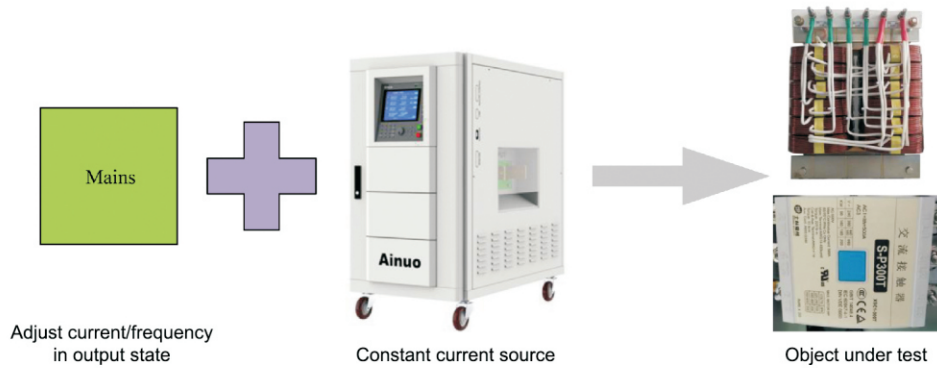
8" color LCD, high-level beautiful appearance, digital keys, convenient operation. It can output constant high current under low voltage, suitable for testing of low-voltage power distribution devices such as air circuit breakers, contactors, and transformers, and the design and production verification of transformers and inductance devices, reducing energy waste caused by load consumption while meeting large current testing conditions, which is an ideal test equipment for device manufacturers, quality inspection institutes and certification centers.

#### Features

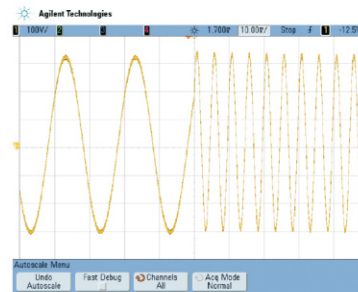
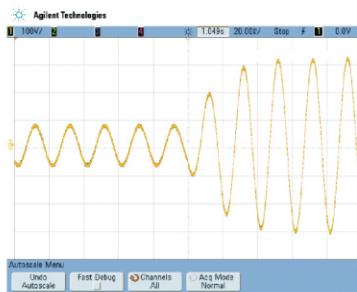
- Low-voltage, high-current AC output to meet the test requirements of relevant regulations;
- Adjustable voltage and frequency during output status, frequency change without transit time.
- The output frequency is 45~65Hz, meeting the test requirements of different power grids and devices;
- Complete measurements: voltage, current, current peak, frequency, active power, apparent power, power factor, voltage crest factor;
- Online monitoring: monitor IGBT temperature, transformer temperature, fan speed, input voltage and other parameters in output state;
- Operating data recorders: keep the record of power supply status and alarm code automatically during alarming, save the maintenance time.
- Fan speed will be adjustable automatically with the temperature of power supply to reduce the noise.
- Lock key, user-friendly design, automatically locking without operation for 5 minutes to prevent from operation mistakes.
- 8" large-screen color LCD, digital key operation;
- Standard RS232, optional RS485, GPIB, Ethernet, analog control and other remote communication/control.
- Custom of current source of any voltage level and current.
- Adopt FPGA digital technology, realize precision control and high quality sine wave output.

## Applications

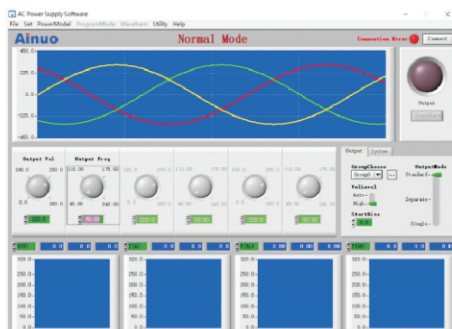
Substitute the traditional voltage/current regulation, precise control and simple operation.



Adjust current/frequency in output state.



Large color LCD, digital keys and knobs operation.



## Specifications

Model		ANCC1000-15S(F)	ANCC2000-15S(F)	ANCC4000-7.5S(F)	ANCC4000-15S(F)
Capacity		15 kVA	30 kVA	30 kVA	60 kVA
Input	Phase	Three-phase four-wire + PE			
	Voltage	Phase voltage: 220V±33V, Line voltage: 380V±57V			
	Frequency	50/60Hz±3Hz			
	Phase	Single-phase two-wire			
Output	Current	1000A	2000A	4000A	3000A
	Voltage	15 V	15 V	7.5 V	15 V
	Frequency	45.0~65.0Hz			
	Testing accuracy	Current	Resolution: 0.1A, Accuracy: 0.3% × reading+0.3% × full scale		
		Frequency	Resolution: 0.1Hz, Accuracy: 0.1%		
		Voltage	Resolution: 0.01V, Accuracy: 0.3%×reading+0.3% × full scale		
		Power	Resolution: 0.1kW/0.01kW/0.001kW, Accuracy: 0.45% × reading + 0.45% × full scale		
	Frequency stability		≤0.02%		
	Voltage distortion		Linear load: THD<2%		
	Voltage crest factor		1.41±0.1		
	Protection mode		IGBT overheating, IGBT overcurrent, transformer overheating, input overvoltage/undervoltage, Output overvoltage/overcurrent/overload		
Function	Display		8" LCD		
	Online adjustment function		The output current/frequency can be adjusted online		
	Memory		Power down memory function, memory last output mode and parameters.		
	Communication		RS232 (standard), RS485 (optional)		
Operating environment	Temperature		0~40℃		
	Humidity		20~90%RH		
Dimensions W×H×D (mm)		600×1130×1018			600×1330×1218