

Frequency Conversion Power Supply AN97H(F) Series



Product Introduction

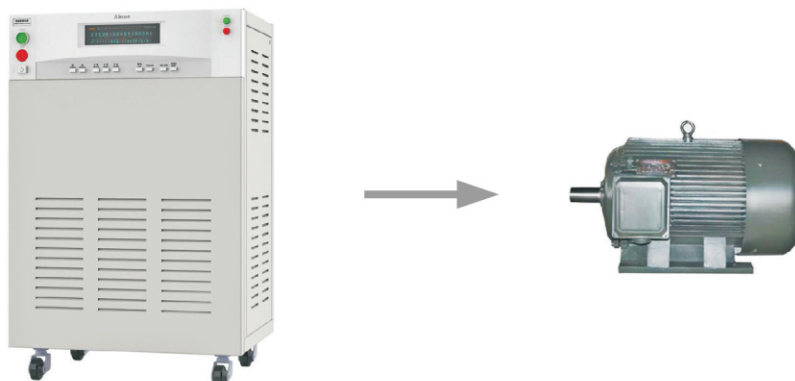
The AN97H(F) series frequency conversion power supply adopts digital technology and IGBT intelligent output, pure output wave, with excellent technical performance. The power supply has an anti-shock circuit, suitable for various shock loads such as motors and air conditioners; excellent dynamic characteristics, strong load adaptation, high efficiency, simple operation, cost-efficient, suitable for industries such as export electrical appliances plants, laboratories, defense and related industries.

Features

- Over shock capacity: impact load of 1/3 capacity of power supply directly without soft start.;
- Adjustable voltage and frequency during output status;
- Measurement: voltage, current, frequency, active power;
- Level of voltage: 1.0~150.0V, 150.1~300.0V automatically adjusted or locked to 1.0~300.0V;
- Line voltage drop compensation
- Shortcuts groups, power-off memory, shortcuts key;
- Lock key, user-friendly design to prevent mis-operation;
- HD VFD display;
- Standard RS232 port, optional RS485 port or remote control port.

Applications

- Over shock capacity: impact load of 1/3 capacity of power supply directly without soft start.



Specifications

Model		AN97000H(F)	AN97001H(F)	AN97002H(F)	AN97003H(F)	AN97005H(F)	AN97010H(F)	AN97010TSH(F)	
Capacity		500VA	1kVA	2kVA	3kVA	5kVA	10kVA	10kVA	
Input	Voltage, Frequency	Single-phase 2-wires + PE, Phase voltage: 220V±22V, 50/60Hz±5%Hz; AN97010TSH(F) is three-phase four wire + PE							
Output	Voltage		Single-phase 2-wires; Automatic files: (low-grade) 1.0 ~ 150.0V, (high-grade) 150.1~300V; high-grade lock:1.0 ~ 300.0V						
	Frequency		45.0~65.0Hz, 100Hz、120Hz、200Hz、240Hz、400Hz						
	Rated current	110V	4.6A	9.2A	18.2A	27.4A	45.6A	91.0A	91.0A
		220V	2.3A	4.6A	9.1A	13.7A	22.8A	45.5A	45.5A
	Setting accuracy	Voltage	Resolution: 0.1V, Accuracy: 0.4%×reading value +0.1%×full scale value						
		Frequency	Resolution: 0.1Hz, Accuracy: 0.1%						
	Testing accuracy	Voltage	Resolution: 0.1V, Accuracy: 0.4%×reading value +0.1%×full scale value						
		Frequency	Resolution: 0.1Hz, Accuracy: 0.1%						
		Current	Resolution: 0.001A/0.01A, Accuracy: 0.4%×reading value +0.1%×full scale value						
		Power	Resolution: 0.1W/1W, Accuracy: 5%						
	Frequency stability		≤0.1%						
	Voltage distortion		Linear load: THD<1.5%						
	Transient recovery time		20ms						
	Crest factor		1.41±0.1						
	Source voltage effect		≤1%						
	Load effect		≤1%						
Overload capacity		105%< Outputs≤110% the output will be stopped within 15s ; 110%< Outputs≤120% the output will be stopped within 5s							
Loading capacity		Can start a inductive load which capacity is less than 0.5 rated power capacity of AC power supply, or a rectifier load which crest factor is less than 3.0							
Protection mode		Short circuit protection, overload protection, power device overheat protection							
Function	Display	VFD							
	Online adjustment function	Output voltage and frequency can be adjusted online (45.0-65.0hz)							
	Memory function	Power down memory function, memory last output mode and parameters; 6 groups							
	Communication	RS232 (standard)、RS485 (options)、 Remote control port (options)							
Environment	Temperature/Humidity	0~40℃, 20~90%RH							
Dimension W×H×D(mm)		483×200×380 (The height does not include the machine foot, the machine foot is detachable, the height is 15mm)	483×555×400		483×755×400		483×905×600		
Weight (Kg)		20	54	62	80	195			