

AC Power Supply ANFH(F) Series

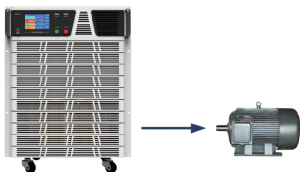


Product Introduction

ANFH(F) series AC power supply adopts digital technologies including digital control, instantaneous waveform control, and high-frequency pulse width modulation (SPWM). The power supply has the ability to withstand impact of 3 times the rated current, featuring strong load adaptability, mainly for applications such as home appliances, motors, and production lines, power solutions meeting the essential needs of traditional industries as well as equipment replacement and updates. The power supply is designed suitable for 19" standard chassis, small size and rich interfaces, and can be directly installed in a standard cabinet for various applications such as testing, system integration, production line, etc.; as well as 4.3" color LCD touch screen + plastic shell panel, aesthetic and high-end appearance, and easy-to-use and intuitive operation.

Applications

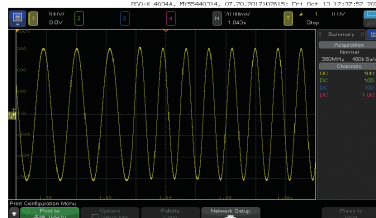
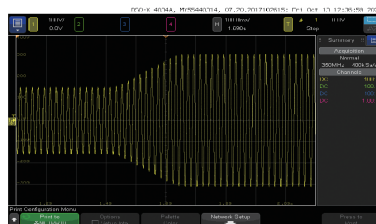
- Over shock capacity: impact loads with 1/3 power can be directly started without soft start



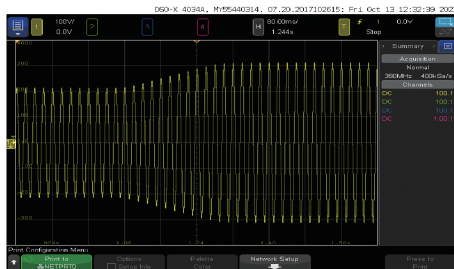
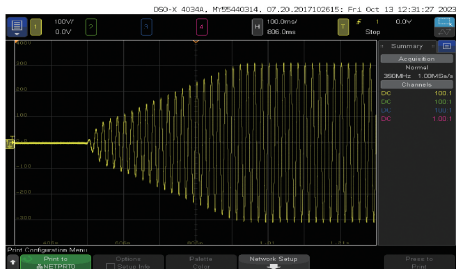
Features

- 19" standard chassis, compact, can be installed in standard cabinet
- Withstand 3 times the rated current lasting for 2S, directly start impact load equivalent to 1/3 of the power
- Adjustment of voltage/frequency in output state
- Startup ramp-up and online ramp-up, and the ramp-up time can be set
- Measurements: voltage, current, frequency, active power
- Voltage level: 1.0~150.0V, 150.1~300.0V automatically adjustable or locked within 1.0~300.0V
- Line voltage drop compensation
- Multi shortcut groups, power-down memory and shortcut keys
- 4.3" color touch screen, convenient and intuitive
- Key lock and humanized design to avoid misoperation
- Operating data recorders: automatically record the power state when alarming and alarm code etc
- Standard RS232 port, optional RS485/GPIB/Ethernet port or analog control

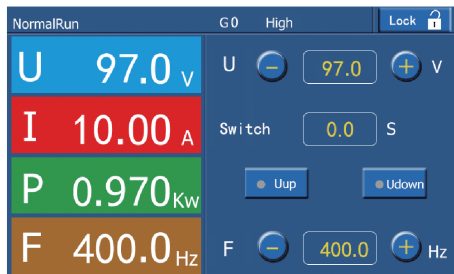
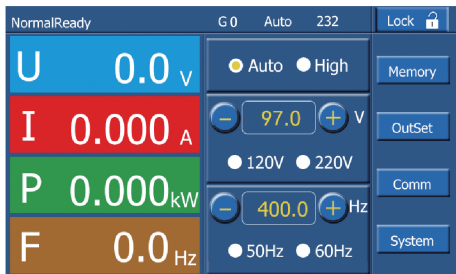
- Adjustment of voltage/frequency in output state



Start ramp up and online ramp up



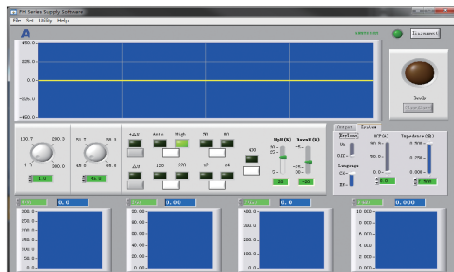
4.3" color touch screen, convenient and intuitive



Online monitoring function



PC control software



Specifications

Model		ANFH000S(F)	ANFH001S(F)	ANFH002S(F)	ANFH003S(F)	ANFH005S(F)	ANFH010S(F)	ANFH010TS(F)	
Capacity		500 VA	1 KVA	2 KVA	3 KVA	5KVA	10KVA	10KVA	
Input	Number of phases	Single-phase two-wire+PE						3-phase 4-wire+PE	
	Voltage	Phase voltage: 220V±10%						Line Voltage:380V±10%	
	Frequency	50/60Hz±3 Hz							
Output	Number of phases	Single-phase two-wire							
	Voltage	Phase voltage: 1.0~300.0V; Automatic state: (low-grade)1.0-150.0V,(high-grade)150.1-300V High-grade lock: 1.0 ~ 300.0V							
	Frequency	45.0Hz ~ 65.0Hz, 100Hz, 120Hz, 200Hz, 240Hz, 400Hz							
	Rated current	110 V	4.6A	9.2A	18.2A	27.4A	45.6A	91.0A	91.0A
		220 V	2.3A	4.6A	9.1A	13.7A	22.8A	45.5A	45.5A
	Setting accuracy	Voltage	Resolution: 0.1V, Precision: 0.2% × reading value+0.1% × full scale value (110/220 ± 10%) 0.2% × reading value + 0.2% × full scale value (Other ranges)						
		Frequency	Resolution: 0.1 Hz Precision: 0.05%						
	Testing accuracy	Voltage	Resolution: 0.1V, Precision: 0.2% × reading value+0.1% × full scale value (110/220 ± 10%) 0.2% × reading value + 0.2% × full scale value (Other ranges)						
		Frequency	Resolution: 0.1 Hz Precision: 0.05%						
		Current	Resolution: 0.001A/0.01A/0.1A Precision: 0.3% × reading value+0.3% ×full scale value						
		Power	Resolution: 0.001 kW /0.01kW Precision: 0.45% × reading value+0.45% × full scale value						
	Frequency stability	≤0.02%							
	Voltage distortion	Linear load: THD<1%							
	Transient recovery time	20 ms							
	Voltage crest factor	1.41±0.1							
	Source voltage effect	≤1%							
	Load effect	≤1%							
	Overload capacity	105% < output ≤ 110% , turn off the output within 15 seconds; 110%< output ≤ 200%, turn off the output within 5 seconds; 200% < output ≤ 300%, turn off the output within 2 seconds; 300% < output, turn off the output immediately.							
	Shock resistance	Withstand 3 times rated current for 2S							
	Protection mode	Overheat protection, over-current protection, output overload protection, output short-circuit protection							
	Efficiency	>70%				>80%			
Function	Display mode	4.3" color LCD touch screen							
	Soft-start time	0.0~99.9Sec.							
	Online adjustment function	The output voltage and output frequency can be adjusted online (45.0~65.0Hz); Online switching ramp-up time can be set: 0.0~99.9s							
	Memory function	Power down memory function, memorizing last output mode and parameters							
	Shortcut group	8 groups							
	Line voltage crop compensation	0.000 ~ 0.500 Ω							
	Communication	Standard RS232, optional RS485/GPIB/Ethernet							
	Remote control	Optional analog control port							
Working Environment	Temperature	0 ~ 40 ℃							
	Humidity	20% ~ 90%RH							
Dimensions (W×H×D mm)		3U		3U	4U	11U	13U		
		432×133(148)×420		432×133(148)×570	432×177(192)×570	432×488(563)×420		432×577(652)×420	
		The (*) means the height including machine foot, the feet can be removed					The (*) means the height including machine caster, the casters can be removed		
		Width is 432mm(handle excluded), 19" standard chassis; 483mm (handle included), handle is optional							
Weight (kg)		17	20	26	35	59	82	82	

Any changes to the above parameter specifications will not be notified separately.