

AC Power Supply ANFH(F) Series





Product Introduction

ANFH(F) series AC power supply adopts digital technology and IGBT intelligent output with pure output waveform. The power supply has the ability to withstand impact of 3 times the rated current, featuring strong load adaptability, suitable for various impact loads such as motors and air conditioners, with good dynamic characteristics.

The power supply is designed suitable for 19" standard chassis, compact, 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, convenient and intuitive, widely used in home appliance lines, labs, quality inspection institutes, certification centers etc.

Features

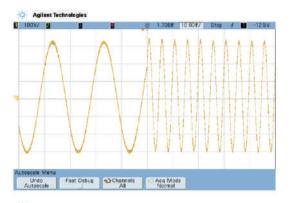
- 19" standard chassis, compact, can be installed in standard cabinet
- Withstand 3 times the rated current lasting for 2S, directly start impact load equivalent to 1/3 of the power
- Adjustment of voltage/frequency in output state
- Startup ramp-up and online ramp-up, and the ramp-up time can be set
- 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

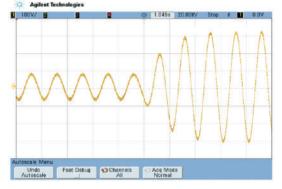
Applications

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

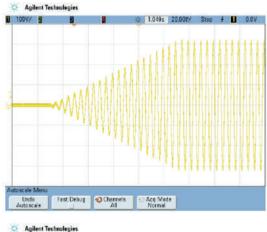


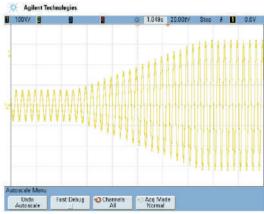
Adjustment of voltage/frequency in output state





Start ramp up and online ramp up





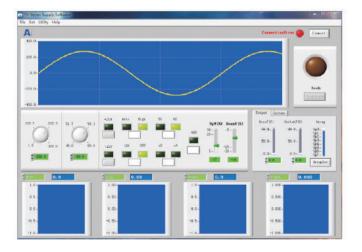
4.3" color touch screen, convenient and intuitive



Online monitoring function



PC control software



Ainuo /// AC Power Supply

Specifications

	Mo	del	ANFH000S(F)	ANFH001S(F)	ANFH002S(F)	ANFH003S(F)	ANFH005S(F)	ANFH010S(F)	ANFH010TS(F)
	Сар	acity	500 VA	1 KVA	2 KVA	3 KVA	5KVA	10KVA	10KVA
Input	Number of phases				Sing	gle-phase two-wire	+PE		3-phase 4-wire+PE
	Voltage		Phase voltage: 220V±10% Line Voltage:380V±10%						
	Frequency		50/60Hz±3 Hz						
	Number of phases		Single-phase two-wire						
	Voltage		Phase voltage: 1.0~300.0V; Automatic state: (Low voltage) 1.0 ~ 150.0V, (High voltage) 150.1 ~ 300.0V; High voltage locked state: (High voltage) 1.0 ~ 300.0V						
	Frequency		45.0Hz ~ 65.0Hz, 100Hz, 120Hz, 200Hz, 240Hz, 400Hz						
Output	Rated 110 V		4.6A	9.2A	18.2A	27.4A	45.6A	91.0A	91.0A
	current	220 V	2.3A	4.6A	9.1A	13.7A	22.8A	45.5A	45.5A
	Setting	Voltage		11.000	188.00	111.000.00.00			
	accuracy	Frequency	Resolution: 0.1 V Precision: 0.2% × reading value+0.2% × full scale value Resolution: 0.1 Hz Precision: 0.05%						
	accuracy	Voltage	Resolution: 0.1 V Precision: 0.2% × reading value+0.2% × full scale value						
	Testing	Frequency	Resolution: 0.1 Hz Precision: 0.05%						
		Current							
		HARMAN AND AND	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 Load effect		≤1% ≤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.						
			200% < 0	utput ≤ 300%, tu	100 C C C C			10590 25 1305	
	Shock re	esistance	200% < 0	utput ≤ 300%, tu	rn off the output w		00% < output, turn	10590 25 1305	
		esistance on mode			rn off the output w	ithin 2 seconds; 30	00% < output, turn rent for 2S	off the output imn	nediately.
	Protection				rn off the output w Withstand ver-current protecti	ithin 2 seconds; 30 I 3 times rated curr	00% < output, turn rent for 2S d protection, outpu	off the output imn	nediately.
	Protection Effic	on mode		eat protection, ov	Withstand Wer-current protecti	ithin 2 seconds; 30 I 3 times rated curr	00% < output, turn rent for 2S d protection, outpu	off the output imn	nediately.
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	Protection Effic Display Soft-st	ency mode		eat protection, ov >70%	Withstand ver-current protecti	ithin 2 seconds; 30 I 3 times rated curr on, output overload color LCD touch so	00% < output, turn rent for 2S d protection, output creen	off the output imn ut short-circuit prot >80%	nediately.
	Protection Effic Display Soft-st	ency mode art time		eat protection, ov >70%	Withstand ver-current protective 4.3" of the output w	ithin 2 seconds; 30 I 3 times rated curr on, output overload color LCD touch so 0.0~99.9Sec.	oo% < output, turn rent for 2S d protection, output creen adjusted online (48)	off the output imn ut short-circuit prot >80%	nediately.
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Working Environment	Protection Efficial Display Soft-st. Online adjust Memory Shortcu Line voltage cro Communication Remote Tempe Hum	en mode ency y mode art time ment function function at group p compensation nication e control erature nidity	3L 432×133(1	Power dow Power dow 1 48)×400 In means the height the feet calculated and	with stand ver-current protection ver-current ver-c	ithin 2 seconds; 30 is a times rated curron, output overload color LCD touch so 0.0~99.9Sec. frequency can be a ramp-up time can n, memorizing last 8 groups 0.000 ~ 0.0500 Ω is a groups 0.000 ~ 0.000 ~ 0.000 Ω is a groups 0.000 ~ 0.000 ~ 0.000 ~ 0	oo% < output, turn rent for 2S d protection, output creen adjusted online (4) be set: 0.0~99.9s output mode and //GPIB/Ethernet I port 11U 432×488(563)×400 The (*) means the	off the output imm at short-circuit prot >80% 5.0~65.0Hz); parameters 1 432×577 the height includir casters can be re	rection 3U 7(652)×400 ng machine caster,