



Soltec

The professional power people

AHA-FC Series Frequency Converter

1kVA-15kVA 50Hz/60Hz/400Hz



Features

- Compact size, light weight, easy to transport and place
- Special airflow design to avoid dust accumulation
- Front door installation and maintenance
- User-friendly compact design
- Green power minimizes environment pollution

AHA-FC Sereis

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Specification

MODEL	103-FC	303-FC	373-FC	503-FC	603-FC	653-FC	803-FC	104-FC	3104-FC	3124-FC	3154-FC	
Capacity	1kVA	3kVA	3.75kVA	5kVA	6kVA	6.5kVA	8kVA	10kVA	10 kVA	12 kVA	15 kVA	
Phase	1-Phase Input / 1-Phase Output								3-Phase Input / 1-Phase Output			
INPUT												
Voltage	1P, 100~120V or 200~240Vac		1P, 220Vac -15%, +25%						3P3W, 220V or 3P4W, 220/380V,-15% +25%			
Frequency	50Hz or 60Hz ± 5%								50Hz or 60Hz ± 5%			
OUTPUT												
Voltage	1P, 220Vac ± 5% (Adjustable)											
Frequency	50Hz or 60Hz, 400Hz (Option) ± 0.5%											
Voltage Regulation	± 1%											
Frequency Stability	± 0.5% (Free running)											
Transient Response	± 3% (100% Load variation)											
Waveform	Sine wave											
Distortion	< 3% at 0~100%(Linear load)											
Overload Capacity	105%: 30 sec, 150%: constant power	120~150%: 30 sec, >150%: constant power							120%: 30 sec, >150% constant power			
Power Factor	0.7~1, lag											
Crest Ratio	3:1											
EFFICIENCY												
AC to AC	>85%											
PROTECTION												
Overload	105%: 30sec	120%: 30 sec										
Short Circuit	Current limited and cut-off and fuse and breaker											
EM/EMC	EN50091-2, CE approved											
AUDIBLE ALARM												
Mains Failure	Sounding every four seconds after mains fail, 90 seconds mute											
Optional Battery Low	Sounding once every second as optional battery low level approaches	Sounding once every second as battery approaches										
Overload & UPS Fault	Continuously											
INDICATOR												
LCD	I/P&O/P voltage/ frequency		I/P&O/P voltage/ frequency, loading %, history record									
LED	50Hz, 60Hz, overload, fault		Utility LED (Green), inverter LED (Green), fault LED (Red), overload (Yellow)									
INTERFACE												
Contact Closure	Support MEGATEC RUPS UPS monitoring software											
RS-232	Support MEGATEC RUPSII / UPSilon 2000 monitoring software											
ENVIRONMENT												
Operation Temperature	0 - 40 °C (32 - 104 °F)											
Relative Humidity	0-90% (non-condensing)											
Audible Noise(At 1M)	< 45dBA											
PHYSICAL												
Net Weight (kg, without battery)	20	30(400Hz);65(50 or 60Hz)		60	66	69	94	115	116	116	120	200
Dimensions (WxHxD)mm	180 x 308 x 381	180 x 360 x 500 (400Hz) 180 x 500 x 540 (50 or 60Hz)		230 x 685 x 578			480 x 845 x 340			480 x 845 x 340		480 x 885 x 380

* All specifications mentioned above are subject to change without prior notice



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