



FICHAS TÉCNICAS

FILTRO ACTIVO

(ACTIVE HARMONIC FILTER)

220V / 400V / 480V (3P3W/3P4W)

Khařergy[®]

Name	AHF Size				
	50A	75A	100A	150A	200A
Rated Capacity	50A	75A	100A	150A	200A
Module Size (Rack)	460*483*86mm	540*545*190mm	540*545*190mm	540*551*219mm	540*595*219mm
Module Size (Wall)	424*88*54mm	504*191*584mm	504*191*584mm	504*220*608mm	504*220*651mm
Net Weight	14 kgs	34 kgs	34 kgs	42 kgs	44 kgs
Air Flow for Heat Dissipation	4x80CFM	4x120CFM	4x120CFM	4x190CFM	4x190CFM
Rated Voltage	220V(176V~264V) / 400V(304V~456V)				
Frequency	50Hz / 60Hz (Range: 45Hz - 62.5Hz)				
Wiring Structure	3P3W/ 3P4W				
Harmonic Filtering	2nd ~ 51th				
Reactive Power	Adjustable from -1 to +1				
Compensation Unbalance Correction	100% imbalance correction				
Protection Function	Over-voltage protection, under-voltage protection, short-circuit protection, inverter bridge inverse protection, over-compensation protection and so on				
Current Transformer	50/5 ~ 6000/5				
Harmonic Filter Rate	≥ 97%				
Filter Performance	THDi<5%				
Noise Level	<60dB (standard type) / No noise (Fanless type)				
Response Time	50us				
Full Response Time	<10ms				
IGBT Switching Frequency	20kHz				
Topology Design	3 level topology				
Parallel Quantities	Unlimited				
Communication Port	RS485 Communication & Optional Ethernet				
Communication Protocol	Modbus Protocol & TCP/IP Protocol				
Module Display Interface	4.3" Display (wall mounted)/ 7" or 10" Display (Multiple Rack mounted)				
Mounting Type	Wall mounted/Rack mounted/Cabinet/Customized parallel				
Monitoring	Independent monitoring and centralized monitoring				
Standard Compliance	EN IEC 61000; EN IEC 62477				
Protection Class	IP 20 -Standard type				
Operating Temperature	-10 ~ 45°C				
Relative Humidity	5% to 95% non-condensing				
Altitude	1% up 2000 m. Between 2000 m to 4000 m, according to GB/T3859.2,the power decreases by 1% for every additional 100 m.				
Color	Black or Customized Color				

Name	AHF Size			
Rated Capacity	15A / 25A / 35A	50A	75A	100A / 120A / 150A
Module Size (Rack)	460*483*86mm	540*545*190mm	540*545*190mm	540*551*219mm
Module Size (Wall)	424*88*541mm	504*191*584mm	504*191*584mm	504*220*608mm
Net Weight	16 kg	32 kg	37kg	42kg
Air Flow for Heat Dissipation	4x80CFM	3x120CFM	4x120CFM	4x190CFM
Rated Voltage	480V (380V ~ 504V)			
Frequency	50Hz / 60Hz (Range: 45Hz - 62.5Hz)			
Wiring Structure	3P3W			
Harmonic Filtering	2nd ~ 50th			
Reactive Power Compensation	Adjustable from -1 to +1			
Compensation Unbalance Correction	100% imbalance correction			
Protection Function	Over-voltage protection, under-voltage protection, short-circuit protection, inverter bridge inverse protection, over-compensation protection and so on			
Current Transformer	50/5 ~ 8000/5			
Harmonic Filter Rate	≥ 97%			
Filter Performance	THDi < 5%			
Noise Level	< 50dB			
Response Time	50us			
Full Response Time	< 10ms			
IGBT Switching Frequency	20 kHz			
Topology Design	3 level topology			
Parallel Quantities	Unlimited			
Communication Port	RS485 Communication			
Communication Protocol	Modbus Protocol			
Module Display Interface	4.3" Display (wall mounted) / 7" or 10" Display (Multiple Rack mounted)			
Mounting Type	Wall mounted/Rack mounted/Cabinet/Customized parallel			
Monitoring	Independent monitoring and centralized monitoring			
Standard Compliance	EN IEC 61000; EN IEC 62477; UL 508:2024			
Protection Class	IP 20-Standard type			
Operating Temperature	-10 ~ 45°C			
Relative Humidity	5% to 95% non-condensing			
Altitude	Up 2000 m. Between 2000 m to 4000 m, according to GB/T3859.2, the power decreases by 1% for every additional 100 m.			
Color	Black or Customized Color			

Name	AHF Size		
	50A	75A	100A / 120A
Rated Capacity	50A	75A	100A / 120A
Moudle Size (Rack)	540*545*190mm	540*545*190mm	540*551*219mm
Moudle Size (Wall)	504*191*584mm	504*191*584mm	504*220*608mm
Net Weight	32 kg	37kg	42 kg
Air Flow for Heat Dissipation	3x120CFM	4x120CFM	4x190CFM
Rated Voltage	480V (380V ~ 504V)		
Frequency	50Hz / 60Hz (Range: 45Hz - 62.5Hz)		
Wiring Structure	3P4W		
Harmonic Filtering	2nd ~ 50th		
Reactive Power Compensation	Adjustable from -1 to +1		
Compensation Unbalance Correction	100% imbalance correction		
Protection Function	Over-voltage protection, under-voltage protection, short-circuit protection, inverter bridge inverse protection, over-compensaion protection and so on		
Current Transformer	50/5 ~ 8000/5		
Harmonic Filter Rate	≥ 97%		
Filter Performance	THDi < 5%		
Noise Level	< 60dB (standard type) / No noise (Fanless type)		
Response Time	50us		
Full Response Time	< 10ms		
IGBT Switching Frequency	20 kHz		
Topology Design	3 level topology		
Parallel Quantities	Unlimited		
Communication Port	RS485 Communication		
Communication Protocol	ModbusRTU Protocol		
Module Display Interface	4.3" Display (wall mounted) / 7" or 10" Display (Multiple Rack mounted)		
Mounting Type	Wall mounted/Rack mounted/Cabinet/Customized parallel		
Monitoring	Independent monitoring and centralized monitoring		
Standard Compliance	EN IEC 61000; EN IEC 62477; UL 508:2024		
Protection Class	IP 20-Standard type		
Operating Temperature	-10 ~ 45°C		
Relative Humidity	5% to 95% non-condensing		
Altitude	Up 2000 m. Between 2000 m to 4000 m, according to GB/T3859.2, the power decreases by 1% for every additional 100 m.		
Color	Black or Customized Color		


EJEMPLOS DE IP20 YA APLICADOS



TRABAJA CON NOSOTROS

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