INNOFLOW

Product overview

POWER QUALITY DEVICES

Active Harmonic Filter

IF-AHF-B



Product series reference. Match the model, capacity, voltage and mounting variant in the following tables and drawings to the selected configuration.

TECHNICAL OVERVIEW
Selected product data and drawings. This document is not an installation manual.

Product views



View 1



View 2



View 3



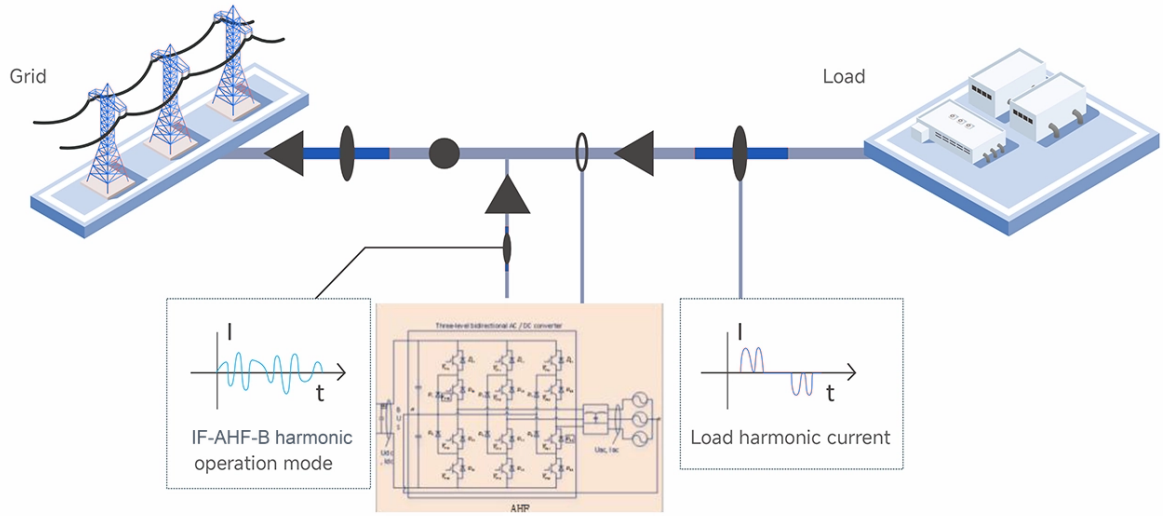
View 4

Product views



View 5

Technical reference



Series reference. Apply the capacity, mounting type and units shown in this figure.

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IF-AHF-B technical parameters

技术参数 Technical parameters

机型 Model	220V	220V	380V	500V	690V	800V
海拔高度 Altitude	<2000m,2000米以上按照GB/T3859.2降额使用 <2000 m; above 2000 m, derate according to GB/T 3859.2					
环境温度 Ambient temperature	-10~+50°C(40°C以上降容不超过30%) -10 to +50 °C (above 40 °C, capacity derating ≤30%)					
相对湿度 Relative humidity	≤90%，月最低温度25°C表面无凝露 ≤90% relative humidity, no condensation on the surface at a monthly minimum temperature of 25 °C					
污秽等级 Pollution degree	III级以下 Pollution degree ≤ Class III					
工作电压 Operating voltage	AC220V (-20%～+20%)	AC220V (-20%～+20%)	AC380V (-20%～+20%)	AC500V (-20%～+20%)	AC690V (-20%～+15%)	AC800V (-20%～ 850V Max)
工作频率 Operating frequency	50Hz/60Hz（45Hz～63Hz）					
额定补偿容量 Rated compensation capacity	25A	7/15/25/50/750/100/ 150/200A		100A		100A
电网结构 Grid configuration	L/N	三相三线，三相四线 Three-phase three-wire Three-phase four-wire				三相三线 Three-phase three-wire
并联台数 Number of parallel units	不限 No restrictions					
整机效率 Overall efficiency	≥97%					
开关频率 Switching frequency	16kHz			12.8kHz		
功能选择 Function selection	谐波补偿 harmonic compensation	谐波补偿、谐波补偿+三相不平衡补偿 Harmonic compensation, harmonic compensation+three-phase unbalance compensation				谐波补偿 harmonic compensation
电流谐波补偿范围 Current harmonic compensation	2～50 次，单次补偿率可调 2-50 times, with adjustable compensation rate per time					
电流谐波补偿能力 Current harmonic compensation	电流谐波补偿≥95% Current harmonic compensation ≥ 95%					
不平衡补偿能力 Unbalance compensation capability	补偿后不平衡度≤5% Unbalance degree after compensation ≤ 5%					
全响应时间 Full response time	< 40ms					
噪音 Noise level	≤60dB	≤65dB		≤65dB		
通讯方式 Communication method	2 路 RS485 通信接口（支持 Wi-Fi） 2 RS485 communication interfaces (Wi-Fi supported)					
保护功能 Protection functions Overload capability	过载、软/硬件过流、电网过欠压、电网电压不平衡、 电源故障、过温、频率异常、短路保护等 Overload, software/hardware overcurrent, grid over-/undervoltage, grid voltage imbalance, power supply failure, overtemperature, frequency anomaly, short-circuit protection, etc.					
过载能力 Installation method	额定1.2倍过载60秒 Rated overload 1.2 times for 60 seconds					
安装方式 Cable entry	机架/壁挂 Rack-mount / Wall-mount					
进线方式 Protection rating	后进线(机架式)、上进线(壁挂式) Rack-mount / Wall-mount					
防护等级	IP20(IP54可定制) IP20 (IP54 available on request / customizable)					

Values and units follow the identified source variant.