

Active Power Filter				
Model		KY-50-APF	KY-100-APF	KY-150-APF
system parameter	Rated input line voltage	200V(-20% ~ +20%);380V(-40% ~ +20%) ; 220V (-40% ~ +20%) { Single phase APF}		
	The grid frequency	50/60Hz (scope: 45Hz ~ 62Hz)		
	Number of parallel machines	There is no limit		
	The machine efficiency	≥ 97%		
	The network structure	three phase three wire system / three phase four wire system		
	Current transformer	150/5 ~ 10,000/5		
property index	Circuit topology	Three-level Inverter		
	Rated capacity	050A/100A/150A		
	Harmonic compensation	support		
	Reactive power compensation	support		
	Unbalance compensation	support		
	Filter range	2 ~ 50		
	Selection of filtering frequency	2 ~ 50 times for any number of optional		
	The degree of filtering	2 ~ 50 times can be adjusted arbitrarily		
	Harmonic filtering rate	> 95% (Third-party test data)		
	Quick response time	< 50μs		
	Full response time	< 5ms		
	Target power factor	Adjustable from -1 to 1		
	Control arithmetic	FFT algorithm, intelligent FFT algorithm, instantaneous reactive power algorithm		
communication monitoring capabilities	Switching Frequency	20kHz		
	Intelligent air cooling	75L/Sec, 151L/Sec, 300L/Sec, 405L/Sec		
	Noise label	< 56dB		
	Communication Interface	RS485, Network port (optional)		
	Communication protocol	Modbus , TCP/IP		
	Module display interface	LCD multifunctional touch color screen;The LED light		
	PC software	optional		
	Protection function	Protection, undervoltage protection, short circuit protection, reverse protection of inverter bridge, overcompensation		
Mechanical properties	CT monitoring alarm	yes		
	Fault alarm	Yes, up to 500 alarm records		
	Monitoring	Support independent monitoring/support centralized monitoring		
	Installation	Wall mount/rack type		
	Dimensions (width * depth * height)	440*470*150, 440*590*190, 440*600*230, 500*510*270		
Environmental requirements	Weight	18kg, 35kg, 36kg, 48kg		
	Colour	Black fine sand lines		
	Altitude	≤ 1500m, 1500 ~ 4000m , GB/T3859.2, For every 100m increase, the power decreases by 1%		
	Operating temperature	-10°C ~ +40°C		
standard	Relative humidity	5% ~ 95%, There is no lon		
	IP Grade	IP20, The remaining IP levels are customizable		
	Follow the standard	IEEE519, IEC 61000-3-6, ER G5/4		