## **FPU Series Active Power Filter**



Product specification	30A	50A	75A	100A	150A	cabinet type		
System parameters								
Grid voltage	400\/690\ (-40%,+20%)							
Rated frequency	50/60±5%Hz							
Wiring system	Three-phase three-wire/Three-phase four-wire							
Circuit topology	Three-level							
Performance index								
Rated current	30A	50A	75A	100A	150A	cabinet type		
Compensation mode	Implementing Harmonics, reactive power ,Any combination of imbalance compensation							
Harmonic compensation capability	2 ~ 50th harmonic compensation, eliminate all or selected harmonics							
Harmonic order setting	Individual setting of each harmonic							
Harmonic compensation efficiency	Greater than 97%							
Reactive power compensation	Capacitive full range reactive power compensation							
Three-phase unbalance compensation	Have							
Full response time	≤5ms							
Machine efficiency	> 97%							
Parallel operation capability	Supports up to 10 modules in parallel							
CT parameters	Primary side current 100 ~ 10000A, secondary current 5A (1A optional)							
CT position	Load side or power side							
Protection method	Grid over and under voltage, grid over and under frequency, input voltage reverse order, over current, over heat,overload automatic current limit protection, bus short circuit							
cooling method	Intelligent air cooling, automatic adjustment of air volume according to heat dissipation conditions and load							
noise	≤65dB							
Communication								
Protocol	Modbus protocol							
Communication Interface	RS485/RS232 /Ethernet( optional)							
Monitoring module	2.8 Inch LCD screen					8 Inch LCD touch scree monitoring componen		
Display content	Real-time running information such as voltage, current, frequency, power factor, waveform curve, parameter setting, record query,etc.							
Mechanical properties				, , , , , , , , , , , , , , , , , , ,	1			
IP rating	IP20 (others can be customized)							
Dimension	refer to mechanical characteristics for details							
Weight						Specific reference Cabinet capacity		
Color	RAL7035							
Environmental requirements								
			-25°C~+50°C d	arating above 40 °C				
Operating temperature Pelative humidity	-25°C~+50°C,derating above 40 °C							
Relative humidity	5%~95%,no frost 2000m,exceeding derating operation							
Relative humidity			2000m,exceedin	y derading operatio				
Related qualifications								
Certification			COC certification	on, type test report				