

TECHNICAL SPECIFICATIONS	
Product Name	Medium Volatge STATCOM
Rated Voltage	3kv~35kv
Electrical Specification	
Input Voltage Range	6kv~35kv
Electric Connection	3P3W/3P4W
Rated Frequency	50Hz (60Hz) +/- 10%
Rated Capacity indoor type	1MVAr~100MVAr
Rated Capacity outdoor type	1MVAr~42MVAr
Start capacity of correction	5KVAr
Compensation Mode	Compensate Harmonics, Reactive Power, 3 Phase imbalance
Reactive Power Compensation Capability	Both inductive and capacitive reactive power compensation
Reactive power compensation effect	PF>0.98
Harmonic Filtering Performance	Filter up to 98% harmonics at rated load
THDv and THDi Performance	THDv<3%, THDi<5% after filtering at rated load
Reactive Power Compensation Performance	PF≥0.99 after compensation (if capacity is sufficient)
3 phase unbalance compensation effect	>5%
Full Response time	<5ms
Active thermal power loss	≤0.8%
Resolution of compensate current	0.5A
Over-load capaicty	More than 1.2 times overload
Control Technology	
Inverter Topology	IGBT
Controller	DSP IGBT FPGA control
Protection	over/under voltage,over current,Short cut,over breakdown,over heat, lost pulse, triggering abnormal, power electronics protection.
Communication	Ethernet,RS485,CAN,Modbus_RTU
Monitoring	HMI Monitor Software
Physical Specification	
IP Grade of Cabinet	IP40
Cooling method	Intelligent forced air cooling or water cooling
Noise Level	< 65dB(A) @1m (Module)
Dimension	Refer to APF Model table
Weight	Refer to APF Model table
Environmental Requirement	
Ambient Temperature	-10-40 °C
Relative Humidity	0~90%
Altitude	≤ 2000m Rated Capacity,
	>2000m (derating 1% per 100m)