

SHF SERIES - EXTREME POWER PROTECTION

30A ~ 150A (Three Phase)



Provides the simplest and most effective means to mitigate harmonics, and improve equipment operating life

► Features & Benefits

- ✓ Voltage ratings from 208 to 480vac
- ✓ 25 to 300 amp ratings
- ✓ Dynamically cancels 3rd to 50th orders harmonics
- ✓ Graphics display and analyzer
- ✓ Individual or parallel systems for added capacity
- ✓ Immediately improves electrical system efficiency
- ✓ Reduces operations and maintenance costs
- ✓ Quick and easy installation with virtually no downtime
- ✓ No need for complex site analysis

► Applications

- ✓ Computers and Peripherals
- ✓ Variable Frequency Drives (VFDs)
- ✓ Uninterruptible Power Supplies (UPS)
- ✓ Frequency Converters
- ✓ DC Power Systems/Chargers



SPECIFICATIONS					
Modular Rack	30A	50A	75A	100A	150A
Dimensions	680x200x530 (WxHxD) mm				
Wall Mount	30A	50A	75A	100A	150A
Dimensions	730x208x576 (WxHxD) mm				
Standalone	100A	150A	300A		
Dimensions	800x800x2200 (WxHxD) mm				
Parallel Number	6				
INPUT					
Working voltage	400V/690V (-20%~+15%)				
Frequency	50Hz/60Hz (-10%~+10%)				
Current Transformer	100:5~10000:5				
FUNCTION					
Harmonic Compensation	2nd - 50th orders				
Harmonic Filtering Rate	97%				
Reactive Power Compensation	-1~+1 adjustable				
Three Phase Unbalance Compensation	100% unbalance Compensation				
COMMUNICATION					
Communication Mode	RS232, 485, Modbus Port, TCP/IP optional				
Communication Interface	RS485				
TECH INDEX					
Response Time	<10ms				
Active Power Loss	<2.5%				
Heat Dissipation Method	Intelligent air cooling				
Noise	<60dB				
Protection Function	Overvoltage, undervoltage, overcurrent, overheating, short circuit protection and so on over 20 protections				
MECHANICS					
Weight	25kg (<=75A/50kvar)			25kg (<=75A/50kvar)	
Color	Fine orange stripes, RAL 7035				
ENVIRONMENT					
Working Temperature	-10 °C to +45 °C				
Altitude	<1500 meters (100 meters per increase capacity decreased by 1%)				
Relative Humidity	<99%				
Protection Level	IP20 (higher protection level can be customized)				