Excellent power quality reduces energy loss, extending equipment life and lowering costs. In contrast, poor power quality caused by harmonics distortion, reactive power, or non-linear loads, tends to lower power reliability and utility. As many industries and applications continue to adopt a wide variety of electronic equipment to facilitate the production process, power quality distortion has become a common problem.

Improves power factor

Continuously outputs and compensates reactive power in real time to maintain power factor >0.99
Provides cycle response <20ms and dynamic response <500us.
Output current unaffected by the mains voltage fluctuation, providing stable support for mains voltage.

Suppresses harmonics

Eliminates resonance problems, eliminating amplified harmonic current and voltage, extending component life cycle and protecting the system.

APF50A43A-31

type	rated current	rated voltage	description	dimensions (mm) (H)	(W)	(D)	weight (kg)
APF2000 series - Active Power Filters							

Delta's Active Power Filter APF2000 is the key to a clean grid and more efficient production. Adopting industry's highest standard 32-bit digital microprocessor to instantly compensate for all types of harmonics for ultimate power quality improvement.

- Harmonic current compensation
- Reactive power compensation
- Load imbalance compensation

The APF2000 is a perfect solution for harmonic distortion, voltage and current distortion, reactive power loss, load imbalances, Improved power quality, lower energy loss and maintenance costs.

APF200A43A-31

Rated voltage:	200 - 480V
Cooling method:	Force air cooling *(fan cooling)*
Step time response:	<300µs
Total response time:	<20ms
Harmonic compensation:	2nd to 50th harmonic
Harmonic comp. ratio:	≥95%
Parallel configuration:	2 - 6 units
Communication:	RJ45 (Ethernet), D-Sub (RS-232), RJ45 (RS-485)

type	rated current	rated voltage	description	dimensions (mm) (H)	(W)	(D)	weight (kg)
Wall mounted			*bottom cable entry*				
APF050A43A-31	50A	200 - 480V	active power filter	590	370	311	50
APF100A43A-31	100A	200 - 480V	active power filter	1101	423	440	90
Floor standing			*bottom/top cable entry*				
APF200A43A-31	200A	200 - 480V	active power filter	2130	630	656	350
APF300A43A-31	300A	200 - 480V	active power filter	2130	630	656	370

type	rated kVAR	rated voltage	description	dimensions (mm) (H)	(W)	(D)	weight (kg)
SVG2000 series - Static Var Generator							

SVG 2000 series is a current type Static Var Compensator (SVC). It is a full-bridge structure power module designed with a choke to allow direct connection to the power grid for power quality control.

Fundamentally, the SGV2000 generates output voltage to control the amplitude and phase of the output current. It absorbs or supplies the accurate amount of reactive power to the system and precisely regulates the reactive power output. The SVG2000 Series is capable of directly monitoring the AC power side of the current and it compensates the harmonic current or the surge current that occurs at impact load.

SVG500A43A-11

Rated voltage:	220 - 480V ±10%
Cooling method:	Force air cooling *(fan cooling)*
Step time response:	<500µs
Total response time:	<20ms
Harmonic compensation:	2nd to 13th harmonic
Harmonic comp. ratio:	≥95%
Parallel configuration:	2 - 6 units
Communication:	RJ45 (Ethernet), D-Sub (RS-232), RJ45 (RS-485)

type	rated kVAR	rated voltage	description	dimensions (mm) (H)	(W)	(D)	weight (kg)
Floor standing			*bottom/top cable entry*				
SVG300A43A-11	300 kVAR	220 - 480V	static var generator	2130	630	940	650
SVG500A43A-11	500 kVAR	220 - 480V	static var generator	2130	830	940	1200