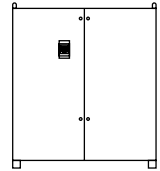


# FQA

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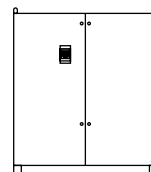
**Improves the power factor.**  
**Cancels harmonic distortion.**  
**Dynamic control of voltage to stabilize the network.**





INPUT	Nominal Voltage <sup>[1]</sup>	380-440 Vac, 480-525 Vac (±10%); (3 phase - 3 wires)
	Compensation Capacity Per Phase (Arms)	100 A - 800 A
	Frequency	50 Hz (±5%), 60 Hz (±6%)
	Power Switching Devices	IGBT 4 kHz Configurable
	Efficiency	≥ 97%
	Current Transformers	Any ratio from 250 to 10,000 A primary with 5 A secondary
	N° Transformers / Configuration	3 required / Open loop or Close loop
FEATURES	Harmonic Filtering Algorithms	Selective harmonic cancellation: 6 simultaneous harmonics up to 13th harmonic
	Reactive Power Control	Static and Dynamic Adjustable Displacement Power Factor (DPF)
	Dynamic Grid Support	Low Voltage Ride Through (Optional) - UPS supply required
ENVIRONMENTAL RATINGS	Degree of Protection	IP20 (IP54 electronics)
	Cooling	Temperature controlled axial fans
	Operation / Storage Temperature <sup>[2]</sup>	-10 °C to 40 °C continuous @50 °C 10% Current derating / -20 °C to 70 °C
	Altitude	1000 m, >1000 m 1% Pn(kW) per 100 m; 3000 m maximum
	Relative Humidity	<95%, non-condensing
COMMUNICATION INTERFACE	EMC	C3 Second environment (industrial), C2 optional
	Standard Hardware	RS485 port
	Standard Protocol	Modbus-RTU
	Optional Protocol	Profibus-DP, DeviceNet, Ethernet (Modbus TCP), Ethernet IP, CAN Open, N2 Metasys Gateway
REGULATION	Interface	Alphanumeric Display, PowerComms desktop SW tool available
	Certification	CE
	Safety	IEC / EN 50178; IEC / EN 60146
	Electromagnetic Compatibility	EMC immunity: EN/IEC 61000-6-2 Industrial level EMC emissions: EN/IEC 61000-6-4 class A, IEC 61000-3-4, IEEE 519-1992

NOTES [1] Other configuration, consult Power Electronics.  
[2] Switching frequency 4 kHz.



DIMENSIONS



Frame	Width W (mm)	Depth D (mm)	Height H (mm)	Weight (kg)
5	595	730	2000	450
6	945			900
7	1295			1200
8	1645			1500

NOTES