

Clean Power for Every Installation

Active power factor correction and harmonic filtering. Reduce utility penalties, save up to 30% on your electricity bill, and extend equipment life.

ACTIVE POWER CORRECTION

E3A active rectifiers combine power factor correction with advanced harmonic filtering in a single compact unit. They eliminate distortions generated by equipment such as variable frequency drives, EV chargers, UPS, and switched-mode power supplies. Result: clean, stable, and efficient power that complies with the most demanding regulations and protects your sensitive equipment.

QUANTIFIABLE BENEFITS

Demonstrable ROI in under 24 months

■ Eliminate utility penalties

Correct power factor and avoid reactive energy surcharges on your electricity bill.

■ Increase available capacity

By eliminating reactive power, you free up transformer and installation capacity without upgrading.

■ EV charger compatible

Electric vehicle chargers generate significant harmonics. The E3A eliminates them at the source.

■ Reduce bills 10-30%

Savings of 10% to 30% on the electricity bill by eliminating penalties and improving energy efficiency.

■ Extend equipment life

Harmonics degrade capacitors, transformers, and motors. Filtering them multiplies their lifespan.

■ Payback under 24 months

With savings on bills and penalties, the investment pays for itself in under 2 years.

TOTAL SCALABILITY

From 10 kVAR for small businesses to modular high-power configurations for industry and utilities. All models share the same communication platform, enabling centralized monitoring and remote management.

TECHNICAL SPECIFICATIONS

Grid type	Three-phase four-wire
Nominal voltage	230/380 VAC ±20%
Harmonic compensation	3rd to 13th harmonic
Compensation rate	>90%
Power factor correction	Inductive and capacitive
Response time	<10 ms
Power losses	<3%
Communication	RS485 (ModBus) + WiFi

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European technology · In-house R&D