

Energy Saving Power Quality Conditioners

dKVAR - Power Electronics Module

PFC 3-Ph/3-Wire/415VAC, 50 KVAR* Stackable

Models: EE-102-Series



FEATURES

- 50 KVAR Modules stackable with Controller
- Semiconductor switching for fast response <250ms
- High Reliability Aluminium Self-Healing AC Capacitors
- Digital Capacitor array for High Resolution PF tracking
- Eliminate or Reduce “Demand Charge”
- 50-200 KVAR in 50KVAR Modules with Controller
- Automatically corrects low Power Factor “real-time”
- Intelligent software control
- Power Electronic Modules
- Harmonics protected
- EMI Electrical Noise Suppression Networks
- EMC – C-tick
- Line Surge protected - IEC 61000-4-5 to 10KV/40KA
- Approval Mark : RCM Mark
- Compliance to AS/NZS 60335.1:2011 + A1 +A2
- Module Control over RS485 UART
- AFLC Ripple Signal compatible K22



DESCRIPTION

The Power Quality Conditioner is a Digital Capacitor array Software controlled Power Electronics KVAR corrector. Its fast response <250ms and high digital resolution allows optimum Power Factor real time tracking. Ideal for Induction motor start up. The standard 19 inch Rack with the controller (EE-401-001) allows multiple stackable 50KVAR Modules with full communication options for full Power Quality Data, Monitoring, Control, and Alarms. Capacitors are high reliability Aluminium Self-Healing with internal overpressure disconnect.

Key Features	
Controller Voltage	230 VAC 4-Wire or 230 VAC 1-ph or 415 VAC 3-Wire
VAR Rating	Three phase (incl. L1/L2/L3) – 50 - 400 KVAR*
Frequency	50Hz
Lighting Strike	Power line surge protected to 10KV per IEC61000-4-5
Operating Temperature Range	-10 to 55°C Ambient
Ingression Grade	IP 45 in Rack
Dimension (mm)	W 436 x H 178 x D 473
Max. Humidity	95% (Non Condensing)
Patents	Patents Pending

* Total L1 / L2 / L3 3-Ph KVAR

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ELECTRICAL SPECIFICATIONS

Model Number	EE-102-0500-001
Voltage	180 – 275 VAC
Voltage Lokouts	UVLO < 180 VAC OVLO > 295 VAC
Frequency	50Hz
Operating Temperature Range	-10 - 50 °C Ambient

Contact
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