

Energy Saving Power Quality Conditioners

PowerSave – dKVAR Power Electronics Module
PFC 3-Ph/3-Wire/415VAC, 50 KVAR* Stackable
Models: EE-102-0500-001 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 near “real-time” with controller
- Intelligent software control
- Power Electronic Modules
- Harmonics protected through embedded software
- EMI Electrical Noise Suppression Networks
- 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 near real time tracking. Ideal for induction motor start-up. The standard 19-inch rack with the controller (EE-401-001) allows multiple stackable 50 kVAR 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	415 VAC 3-ph 3-Wire Delta – Neutral needed for Power Supply
VAR Rating	Three phase (incl. L1/L2/L3) – 50 KVAR*/ stackable to 200 kVar Full Rack
Frequency	50Hz/60 Hz (modified)
Lighting Strike	Power line surge protected to 10KV per IEC61000-4-5
Operating Temperature Range	-10 to 55°C Ambient
Ingression Grade	IP 20 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

Energy Saving Power Quality Conditioners

PowerSave – dKVAR Power Electronics Module
PFC 3-Ph/3-Wire/415VAC, 50 KVAR* Stackable
Models: EE-102-0500-001 Series



ELECTRICAL SPECIFICATIONS

Model Number	EE-102-0500-001
Voltage	180 – 275 VAC
Voltage Lockouts	UVLO < 180 VAC OVLO > 275 VAC
Frequency	50Hz / 60Hz(modified)
Operating Temperature Range	-10 - 55°C Ambient

Contact
Edge Electronics Limited
www.edgeelectronics.com