

Energy Saving Power Quality Conditioners

PowerSave - Power Electronics

PFC 3-Ph / 3-Wire /415VAC, 50-600 KVAR* Stackable

Models: EE-110 / EE-111 Series



FEATURES

- Standard 19-inch Rack with 50KVAR stackable Modules
- Semiconductor switching for fast response <250ms
- High Reliability Aluminium Self-Healing AC Capacitors
- Digital Capacitor array for High Resolution PF tracking
- Single Flexible Utility Grade snap-on Rogowski CT
- 50-100 KVAR in 50KVAR Modules –Half Rack
- 50-200 KVAR in 50KVAR Modules – Full Rack
- Full Rack stackable to 600 kVAR
- Automatically corrects low Power Factor near “Real-time”
- Intelligent software digital control
- Power Electronic Modules
- Harmonics protected through embedded software
- EMI Electrical Noise Suppression Networks
- Approval Mark : RCM Mark
- Line Surge protected - IEC 61000-4-5 to 10KV/40KA
- Compliant to AS/NZS 60335.1:2011 + A1 – A2 and IEC 60335-1 ed. 5.2
- Power Quality Data Monitoring, Control, Alarms over Internet, USB, Ethernet/LAN, 3G, WiFi
- 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 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. Current Transformer (CT) or single flexible Utility Grade snap-on Rogowski CT covers the full range 50-200 KVAR.

Key Features	
Voltage	415 VAC 3-ph 3-Wire – Neutral required for Power Supply
VAR Rating	Three phase (incl. L1/L2/L3) – 50 - 200 KVAR*
Frequency	50Hz /60 Hz (modified)
Lighting Strike	Power line surge protected to 10KV per IEC61000-4-5
Operating Temperature Range	-10 to 45°C Ambient
Ingression Grade	IP 44 (without air filter) Indoor Installation IP 54 (with air filter) Indoor Installation
Max. Humidity	95% (Non Condensing)
Patents	Patents Pending

* Total L1 / L2 / L3 3-Ph KVAR

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SPECIFICATIONS

Part No.	EE-110-0500-001	EE-110-1000-001
Half Rack		
KVAr	50 KVAr	100 KVAr
CT	EE-500-0023: Ø102mm Rogowski CT, ship with unit EE-500-0024: Ø190mm Rogowski CT, option available	
Dimension	H78.60 X W58.4 X D80cm	
Weight	100 Kg	

Part No.	EE-111-0500-001	EE-111-1000-001	EE-111-1500-001	EE-111-2000-001
Full Rack				
KVAr	50 KVAr	100 KVAr	150 KVAr	200 KVAr
CT	EE-500-0023: Ø102mm Rogowski CT, ship with unit EE-500-0024: Ø190mm Rogowski CT, option available			
Dimension	H114.10 X W58.4 X D80cm			
Weight	220 Kg			

Contact

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