

## Reactive Power and Harmonic Compensation

# StacoVAR<sup>®</sup> mini

Smaller Footprint  
Automatic Power Factor  
Correction Bank

### Highlights

- Same components as the full-sized StacoVAR Automatic Power Factor Correction bank
- Smaller footprint bank automatically maintains the desired power factor level using the microprocessor based controller
- Rugged metalized polypropylene dry type capacitors
- Capacitor-rated contactors with damping resistors



**Smaller Footprint**  
62"H x 33"W x 17"D

**STACO  
ENERGY<sup>®</sup>**  
PRODUCTS CO.



*StacoVAR  
Intelligent Controller  
Front Panel Display*

### StacoVAR Intelligent Controller

The microprocessor based power factor controller intuitively manages and performs a variety of functions while regulating the multi-step capacitor systems. Fast, accurate and reliable measurements are provided and displayed for power factor, line voltage, line current, active power, reactive power, C.T. current crest factor, number of operations (output relays), number of alarm conditions, internal enclosure temperature (area around the PF controller), and the number of steps operating.

System protection alarms include: overvoltage, overtemperature, harmonic overload, and no voltage.

An LED visual display and RS485 communications port are included. The device is self-programming for up to 12-steps and provides automatic C/k setting and CT circulation direction. Operating time ranges can be set from 0.5 to 300 sec (discharge time settings 5 to 255 sec), with circular and linear logic for sequential operation of capacitors and contactors, allowing for more even distribution, improved performance and reduced maintenance.

# StacoVAR®



Unit shown with  
optional circuit breaker

- UL listed
- NEMA 1 steel enclosure with ANSI 61 gray paint
- Metalized polypropylene dry type self-healing three phase capacitors
- Capacitor rated contactors with damping resistors to reduce back to back switching currents
- 200,000 amp interrupting capacity time delay fuses
- Microprocessor based controller displays voltage, current, reactive power and number of steps energized
- Exhaust fan provides ventilation
- Top or side entry
- Optional molded case circuit breaker
- Wall mounting option available

# STACO ENERGY® PRODUCTS CO.

Your tailored power solutions provider

[www.stacoenergy.com](http://www.stacoenergy.com)

## Power Capacitors

Capacitors provide highly efficient power factor correction, low watt loss, long life and reliable operation. The robust, heavy duty design includes environmentally friendly, self healing, metalized polypropylene film, dry type capacitors. Each UL recognized capacitor is contained in an aluminum cylindrical housing and incorporates an over-pressure device and discharge resistor safety system.

## Contactors

Contactors are fully rated for capacitor switching. The integral damping resistors reduce switching surges and inrush currents extending the life of the capacitors. The contactors are UL recognized.

## StacoVAR Intelligent Controller

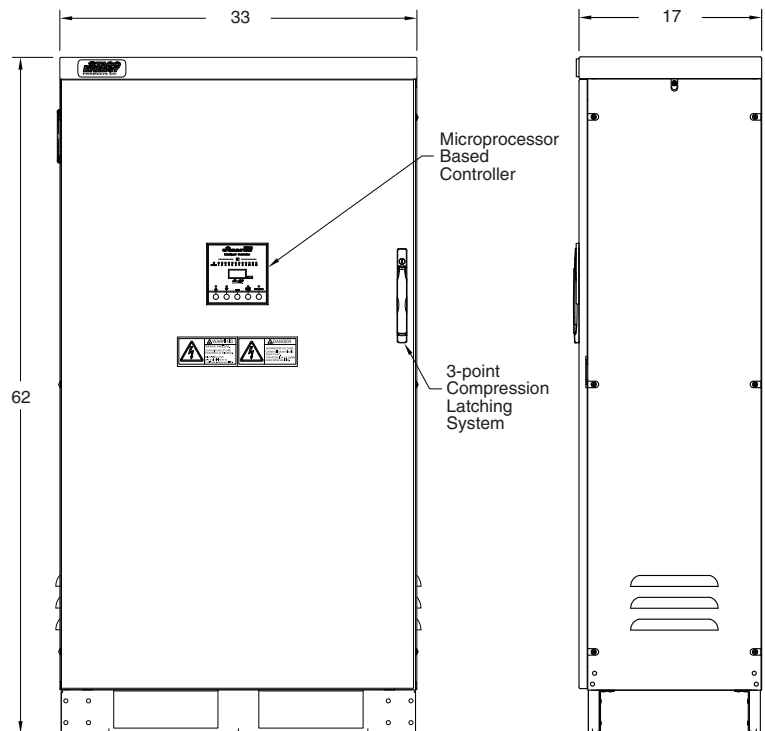
- Microprocessor based controller automatically maintains the power factor by adjusting to system conditions.
- Digital display shows power factor, voltage, current, reactive power, and number of steps energized.
- System protection alarms for overvoltage, overtemperature, harmonic overload and no voltage.
- Controller is self-programming with automatic C/k setting.
- Integral CPT provides control power and voltage signal for the controller.

## Options

- Molded case circuit breaker
- TVSS surge protection
- Current transformer, split core, multi-ratio
- Start up and commissioning

## Mini Ratings and Dimensions

240 Volt				
P/N	KVAR	Steps	Weight (lbs.)	Weight (lbs.) with Breaker
PM-0050-02A-N246F1	50	2x25	297	302
PM-0075-03A-N246F1	75	3x25	313	318
PM-0100-04A-N246F1	100	4x25	329	363
PM-0125-05A-N246F1	125	5x25	345	379
PM-0150-06A-N246F1	150	6x25	361	395
480 Volt				
P/N	KVAR	Steps	Weight (lbs.)	Weight (lbs.) with Breaker
PM-0050-02A-N486F1	50	2x25	267	272
PM-0075-03A-N486F1	75	3x25	276	281
PM-0100-04A-N486F1	100	4x25	285	290
PM-0125-01A02B-N486F1	125	2x50 1x25	294	299
PM-0150-02A02B-N486F1	150	2x50 2x25	299	304
PM-0175-01A03B-N486F1	175	3x50 1x25	308	323
PM-0200-02A03B-N486F1	200	3x50 2x25	315	349
PM-0225-01A04B-N486F1	225	4x50 1x25	331	365
PM-0250-02A04B-N486F1	250	4x50 2x25	338	372
PM-0275-01A05B-N486F1	275	5x50 1x25	354	388
PM-0300-06B-N486F1	300	6x50	361	395
Enclosure Dimensions				
	Height (in.)	Width (in.)	Depth (in.)	
Enclosure Size	62	33	17	



## Service Options

With our ServiStar® program, we offer a wide range of planned maintenance and extended service to maximize equipment life and reliability of your FirstLine® UPS. Through an extensive network of factory trained professionals you receive:

- Annual Service Plan
- Capacitor Bank Startup and Commissioning
- 24/7 Emergency Service
- Preventive Maintenance
- Programs tailored to meet your needs

## About Staco Energy Products

Since 1937, customers worldwide have been relying on Staco Energy Products Company to deliver voltage control and power quality solutions tailored to their needs.

As a leading power quality resource, we offer our customers world-class support; from our thorough applications assessment, to our ability to design and deliver a solution that is tailored to the specific needs of our customers; through delivery and commissioning.

Our professional, factory trained service team is in place to ensure that our customers' revenues are protected, and their investment provides them with many years of trouble free operation.

Staco develops total power solutions for OEM and end user applications.

**Represented locally by:**

**In addition to the StacoVAR® products we offer a wide array of power quality products, including:**

- **Uninterruptible Power Supplies**
- **Power Conditioners**
- **Voltage Regulators**
- **Power Factor Correction and Harmonic Mitigation**
- **Active Harmonic Filters**
- **Variable Transformers**
- **Custom Engineered Test Sets**



**STACO ENERGY PRODUCTS CO.**

Your tailored power solutions provider™

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