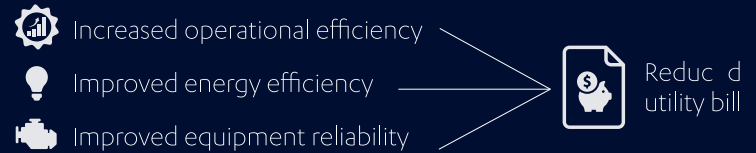
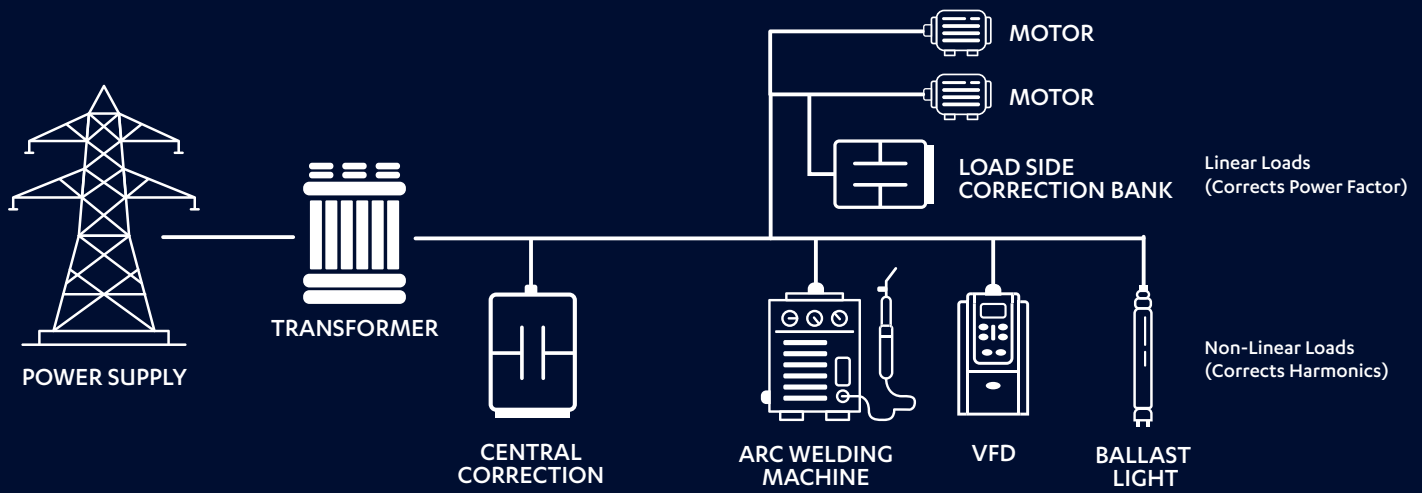


PowerVar

Low-Voltage Automatic Capacitor and Filter Banks
Rugged. Smart Controls. Multi-Option.





Choose PowerVar for Cost-Effective, Centralized Compensation

PowerVar is Powerside's comprehensive range of industrial-grade automatic low-voltage capacitor and harmonic filter banks. These products are part of Powerside quick-ship product solutions that automatically connects the proper level of reactive compensation and harmonic filtering to maintain power networks at optimum operating conditions.

Used in mid to large industrial and commercial environments, they're made for central compensation loads and nominal voltages at 480V to 600V*. Custom tuned configurations are also available.



Long Lasting. Easy to Service.

- ✓ Capacitor cells, with maintenance-free terminations
- ✓ Self-healing, overpressure disconnect, segmented film capacitors provide a higher current capacity rating
- ✓ Branch cycling ensures a longer life of capacitors and contactors
- ✓ Multigap core ensures lower reactor losses
- ✓ 200kA short circuit interrupting capacity
- ✓ Available with 3.78th tuning for resonance-free compensation
- ✓ Contactor has a pre-charge circuit to limit the in-rush current into the capacitors
- ✓ Designed to minimize the transfer of heat on capacitors and fuses
- ✓ Smart controller automatically maintains pre-set power factor target
- ✓ Communication via USB port, Modbus, Ethernet, or Profibus interfaces
- ✓ Front access serviceability for minimum mean time to repair (MTTR)

PowerVar PFC

Applications

- Variable inductive loads
- Low harmonic distortion

Features

- Automatic compensation
- 75-1200 kvar
- Contactor Switching
- 130% continuous overcurrent capacity



PowerVar Harmonic

Applications

- Variable inductive loads
- Moderate harmonic distortion

Features

- Automatic compensation
- 75-1200 kvar
- Contactor Switching
- 165% continuous overcurrent capacity



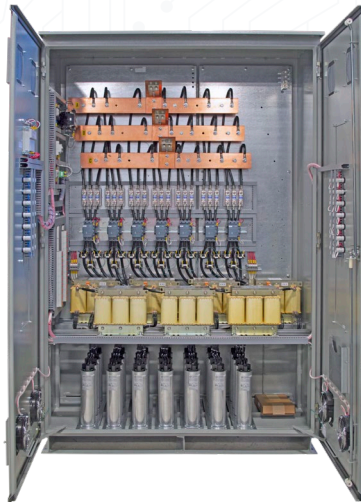
PowerVar Filter

Applications

- Variable non-linear loads
- High harmonic distortion

Features

- Automatic filtering
- 75-1200 kvar
- Contactor Switching
- 3.78th filter tuning
- 165% continuous overcurrent capacity



PowerVar Fast

Applications

- Dynamic loads
- High harmonic distortion

Features

- Ultra-fast automatic compensation, <1 cycle
- 75-1200 kvar
- Thyristor switching
- 165% continuous overcurrent capacity



Choose an option

- 208/240 V
- NEMA 3R
- Controller alarm
- Main breaker
- Temperature alarm
- Blown fuse indicator
- Capacitor life indicator
- Additional stage readiness
- Stage status light
- Power-on indicator
- GFI breaker
- On/Off selector switch
- Door switch

Ask about our **cloud-based power monitoring solutions** and **services**.

Precise power quality control at your fingertips.

PowerVar family	PFC			Harmonic			Filter			Fast			
Compensation type	Automatic			Automatic			Automatic			Ultra-fast automatic <1 cycle			
Capacity	75 – 1200 kvar												
Voltage	480V-600V*												
Maximum steps	12												
Filter Tuning	N/A			N/A			3.78 th			3.78 th			
Thermal protection	N/A			N/A			Over temperature on reactor core			Over temperature on reactor core and Thyristor			
Network harmonics	Low			Moderate			High			High			
Load characteristics	Variable inductive			Variable inductive			Variable non-linear			Dynamic			
Switching type	Contactor			Contactor			Contactor			Thyristor			
Power factor controller	Microprocessor-based with alarm and protection												
Communication	USB port, Modbus, Ethernet, Profibus												
Maximum inrush current	N/A			165% continuous overcurrent capacity			165% continuous overcurrent capacity			165% continuous overcurrent capacity			
Maximum continuous voltage	110%			110%			110%			110%			
Maximum continuous current	130%			165%			165%			165%			
Operating Temperature (F/C)	-40° to 115°/-40° to 46°			-40° to 140° /-40° to 60°			-40° to 140° /-40° to 60°			-40° to 140° /-40° to 60°			
Maximum altitude (ASL)	3281 feet/1,000m			13123 feet/4000 m			3281 feet/1000 m			13123 feet/4000 m			
Enclosure rating	NEMA 1/12*												
Enclosure type, Dimensions (in/mm), Weight (lb/kg)	Type	HxWxD (in/mm)		lb/kg	Type	HxWxD (in/mm)		lb/kg	Type	HxWxD (in/mm)		lb/kg	Contact us for information
	B	64x36x20 1626x915x508		437/199	B	64x36x20 1626x915x508		437/199	B	64x36x20 1626x915x508		417/190	
	C	76x36x34 1931x915x864		735/334	C	76x36x30 1931x915x762		735/334	C	76x36x30 1931x915x762		1365/619	
	D	76x48x30 1931x1220x762		948/430	D	76x48x30 1931x1220x762		948/430	G	90x36x20 2286x915x508		1366/620	
	E	76x60x30 1931x1524x762		1077/489	E	76x60x30 1931x1524x762		1077/489	I	94x48x36 2388x1220x915		1951/885	
	F	76x72x30 1931x1829x762		1278/580	F	76x72x30 1931x1829x762		1278/580	J	94x60x36 2388x1524x915		2533/1149	
	N	76x84x30 1931x2134x762		1378/625	N	76x84x30 1931x2134x762		1378/625	K	94x72x36 2388x1829x915		2958/1342	
									M	94x84x36 2388x2134x915		3008/1364	

*208/240 V and other options available, longer lead times may apply.

We are on your side.

Call us today for fast, reliable, and knowledgeable support.



Contact us

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