

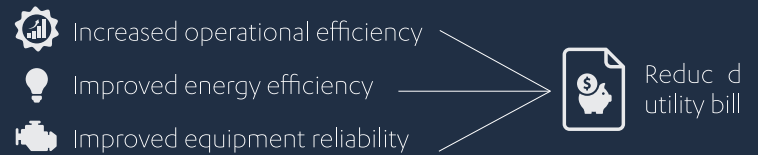
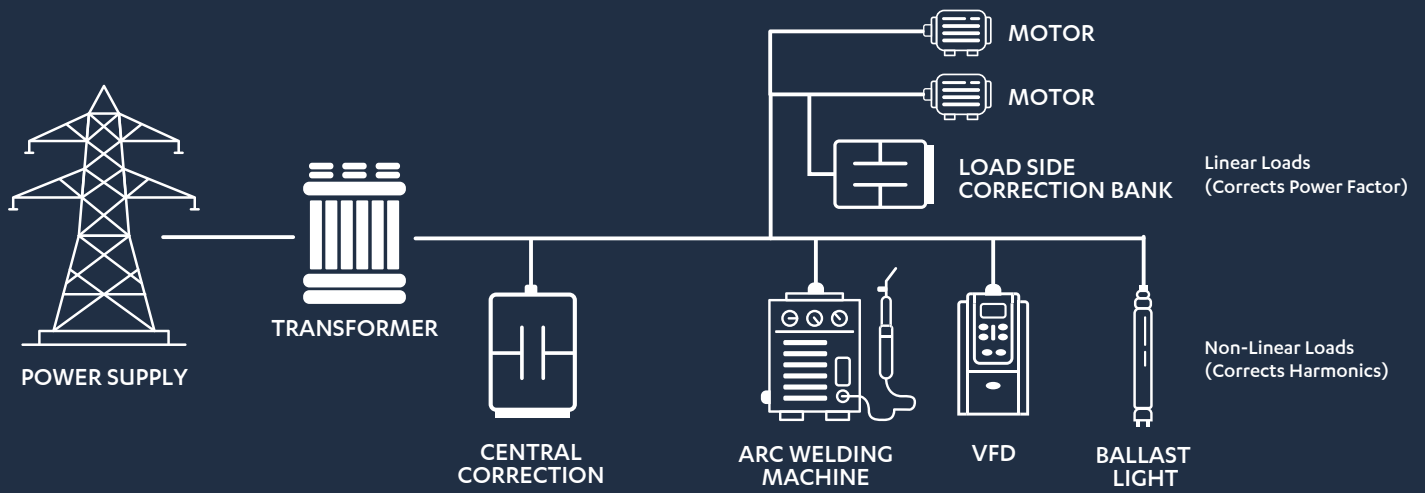
P  **WERSIDE**®

All our energy, in your power

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



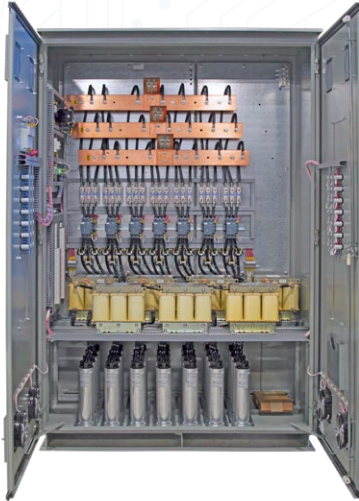
PowerVar Filter

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

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	Contactors	Contactors	Contactors	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	Type	HxWxD (in/mm)	lb/kg
	B	64x36x20 1626x915x508	437/199	B	64x36x20 1626x915x508	437/199	B	64x36x20 1626x915x508	417/190	Contact us for information		
	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.



Contact us

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