

POWER  **WERSIDE**®

All our energy, in your power

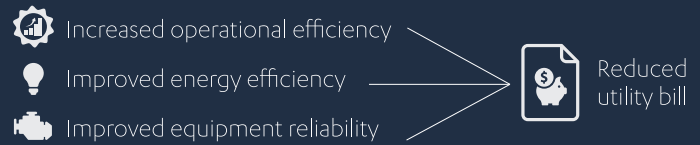
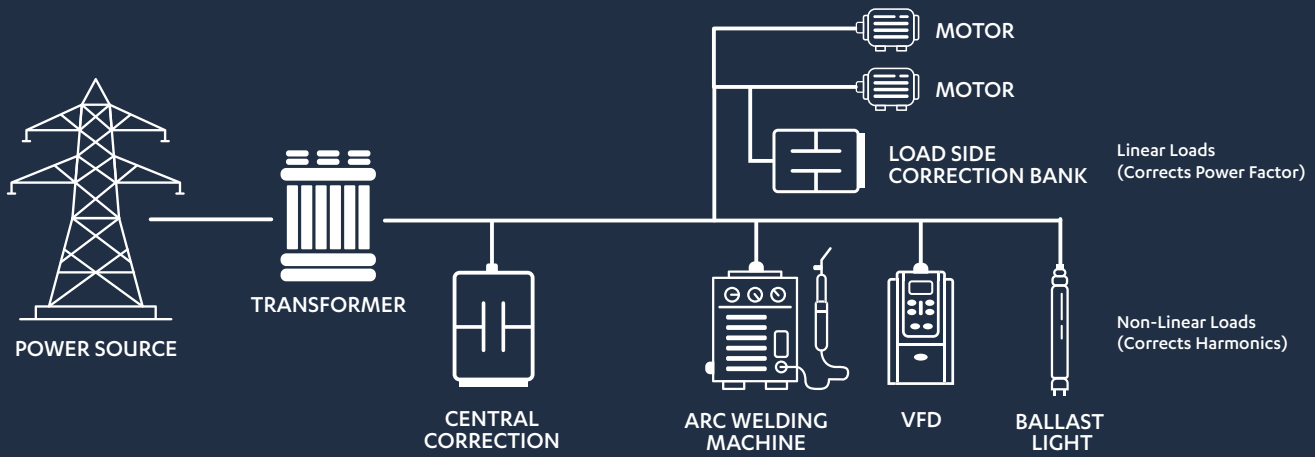
PowerVar

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



FAST  **HIP**

powerside.com



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 Fast Ship program and 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
- ✓ 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
- ✓ 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



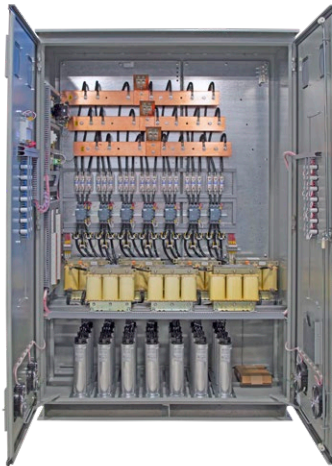
PowerVar Filter

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



Options

NEMA 3R • Additional Stage Readiness • Blown Fuse Indicator • Main Breaker

Refer to product data sheets for more options.

FAST  **SHIP**

At Powerside, we pride ourselves on being able to build and ship your products quickly. As part of our Fast Ship program, Powerside's Standard PowerVar banks up to 600 kvar are shipped within 3 to 4 weeks of receiving your order.

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	Contactator	Contactator	Contactator	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	-40 to 115° F (-40 to 46° C)	-40 to 140° F (-40 to 60° C)	-40 to 140° F (-40 to 60° C)	-40 to 140° F (-40 to 60° C)								
Maximum altitude (ASL)	3281 feet/1000 m	13123 feet/4000 m	3281 feet/1000 m	13123 feet/4000 m								
Enclosure rating	NEMA 1, 3R, and other options available. Refer to product data sheet.											
Enclosure type, Dimensions, Weight	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			

*208/240V configuration available upon request. These configurations are not part of the Fast Ship program.

FAST SHIP

At Powerside, we pride ourselves on being able to build and ship your products quickly. As part of our Fast Ship program, Powerside's Standard PowerVar banks up to 600 kvar are shipped within 3 to 4 weeks of receiving your order.



Powerside® is a trademark or registered trademark of Power Survey Ltd. © 2021 Powerside. All rights reserved.

Contact us

Canada

7850 Trans-Canada Highway
Saint-Laurent (QC) H4T 1A5
1 (877) 333-8392

United States

980 Atlantic Ave
Alameda (CA) 94501
1 (888) 736-4347

info@powerside.com
powerside.com



Version – 09/2021