

POWERSIDE®

All our energy, in your power

PowerCap

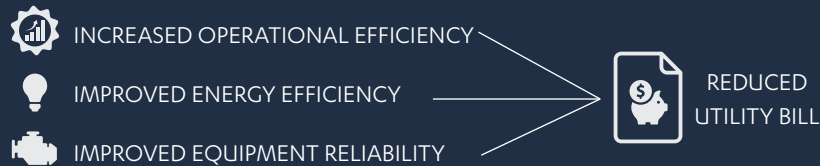
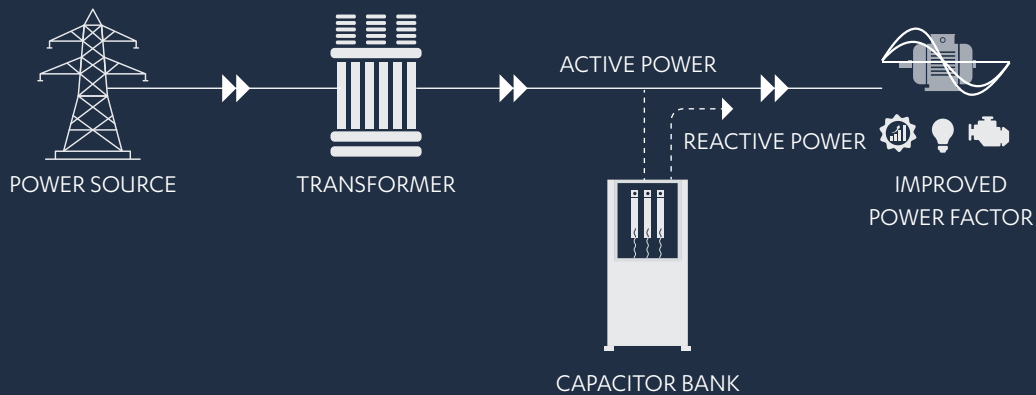
Low Voltage Capacitor and Filter Banks

Compact. Rugged. Easy to Install.



FAST  HIP

powerside.com



Why Power Factor Matters

Power factor refers to the relationship between active (useful power) and the apparent (total) power. This relationship is a measure of how effectively electricity is being used. If your business has a poor power factor, your power systems are asking for a lot more power than needed. This results in additional charges and penalties on your utility bill.

Improving your power factor by adding a capacitor bank is a great and cost-effective way to reduce your utility bill, eliminate voltage drops, and avoid transmission losses.

Choose PowerCap to Solve Power Factor Problems

- ✓ Comprehensive range of high-quality, fixed, and automatic low voltage capacitor and filter banks
- ✓ Load-side compensation for nominal voltages ranging from 208V to 600V
- ✓ Compactly designed for limited space; choose floor or easy to install wall-mounted model
- ✓ Competitive pricing
- ✓ Fast and flexible solution at competitive price
- ✓ Start saving money right away by reducing power factor penalties



PowerCap PFC

Applications

Ideal for a variety of motor loads

Features

- Fixed capacitor
- 2.5-150 kvar
- Low network harmonics
- Fuseless base configuration
- Floor or wall mount
- NEMA 1

Options

- Fused and light configuration
- NEMA 3R outdoor rating



PowerCap Harmonic

Applications

Use for high load compensation in high harmonic environments. Ideal for mixed load applications.

Features

- Fixed capacitor
- 120-300 kvar
- Moderate network harmonics
- Floor or wall mount
- Fused and light configuration
- NEMA 3R outdoor rating

Options

- Fuseless and power-on indicator



PowerCap Filter

Applications

Use for grouped-loads where electronic and inductive loads require compensation such as motor drives and lighting.

Features

- Detuned filter
- 25-200 kvar
- High network harmonics
- Floor or wall mount
- Fused
- NEMA 3R outdoor rating

Options

- Power-on light
- Blown fuse indicator light



PowerCap Auto

Applications

For variable loads such as commercial buildings that require dynamic power factor compensation.

Features

- Auto capacitor
- 75-300 kvar
- Low network harmonics
- Wall mount
- Power factor controller
- 1-4 steps with fusing
- NEMA 1

Options

- Remote communication
- BFI fuse indicator
- NEMA 3R outdoor rating



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 PowerCap PFC and Harmonic banks are shipped within 2 weeks of receiving your order. Our Standard PowerCap Filter and Auto banks are shipped within 3 to 4 weeks of receiving your order.

Choose The PowerCap Right For Your Industry

PowerCap family	PFC			Harmonic			Filter			Auto		
Compensation type	Fixed capacitor			Fixed capacitor			Fixed filter			Auto capacitor		
Capacity	2.5-150 kvar			120-300 kvar			25-200 kvar			75- 300 kvar		
Voltage	480V-600V			480V-600V			480V-600V			480V-600V		
Maximum steps	1			1			1			1-4		
Filter tuning	None			None			De-tuned			None		
Thermal protection	None			None			Over temperature on reactor core			None		
Reactor construction	N/A			N/A			Poly gap			N/A		
Network harmonics	Low			Moderate			High			Low		
Load characteristics	Fixed			Fixed			Fixed			Variable		
Switching type	None			None			None			Contactor		
Power factor controller	None			None			None			Microprocessor-based with harmonic over current protection		
Maximum continuous voltage	110%			110%			110%			110%		
Maximum continuous current	135%			165%			165%			130%		
Operating temperature	-40 to 113° F (-40 to 45° C)			-40 to 140° F (-40 to 60° C)			-40 to 140° F (-40 to 60° C)			-40 to 131° F (-40 to 55° C)		
Maximum altitude (ASL)	3281 feet/1,000m			13123 feet/4,000m			3281 feet/1,000m			13123 feet/1,000m		
Enclosure rating	NEMA 1			NEMA 3R			NEMA 1			NEMA 1		
Mounting	Floor/Wall			Floor/Wall			Floor/Wall			Wall		
Capacitor cells	Dry			Dry			Dry			Dry		
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
	A	25 ⁷ / ₈ x 9 ¹ / ₂ x 6 ¹⁵ / ₁₆ 657 x 241 x 176	25 11	S	30 ¹⁵ / ₁₆ x 25 x 12 ¹ / ₂ 786 x 625 x 318	95 43	P	30 ¹ / ₈ x 20 ¹ / ₈ x 21 ¹ / ₄ 765 x 511 x 539	141 64	W	42 x 36 x 13 ³ / ₈ 1067 x 914 x 333	275 125
	B	25 ⁷ / ₈ x 6 ¹⁵ / ₁₆ x 12 ³ / ₄ 657 x 176 x 324	17 60	T	30 ¹⁵ / ₁₆ x 25 x 23 ³ / ₈ 786 x 635 x 594	141 64	Q	36 ¹ / ₈ x 28 ¹ / ₈ x 21 ¹ / ₄ 918 x 714 x 536				
	D	25 ⁷ / ₈ x 14 ¹ / ₂ x 11 ¹ / ₄ 657 x 368 x 286	60 27									
	E	25 ⁷ / ₈ x 18 ¹ / ₈ x 13 657 x 459 x 330	85 38									

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

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