



Power Factor Correction Cubicles

A Capable Partner

When specifying an item of electrical equipment such as a Power Factor Correction system, it is essential that you have confidence in the company you choose as your partner and supplier.

Power Capacitors Ltd has been a leader in the specification, design and manufacture of Power Factor Correction systems for over 40 years, consistently demonstrating a commitment to delivering the right solution for every application.

The increasingly diverse and arduous demands made of modern Industrial Electrical equipment are now met by the three ranges of automatic Power Factor Correction systems manufactured by Power Capacitors Ltd.

PowerCab Blueline

Designed with performance and unparalleled reliability in mind, the BlueLine range offers the most robust solution for the most demanding applications, with the emphasis on Performance and Extended Lifetime.

PowerCab Greenline

Intended for the 'Standard Industrial' application, the GreenLine range provides the simplest way of installing the Power Factor Correction rating required, with standard designs available to over 500kVAR.

EnviroCab

With electricity bills now including penalty charges for poor power factor for the smaller consumers, the EnviroCab range offers a technically compliant and cost-effective solution for smaller equipment ratings.

Harmonic Distortion? No Problem!

Both the Blueline and Greenline ranges of Power Factor Correction cubicles are available in both standard and detuned designs, ensuring that the optimum solution is available whatever the requirements of a particular application.

Our team of highly trained and experienced engineers will properly identify the rating and design of Power Factor Correction equipment required in every case.

PowerCab BlueLine Cubicles - Specification Summary

- Ratings from 50kVAr to 400kVAr as standard
- Both standard (plain) and detuned designs
- The top of the range line
- Performance oriented
- Minimum 480V continuously rated capacitors throughout
- Choice of incomer (terminals, isolator or fuse switch)
- Copper-wound detuning reactors with 2.2x linearity in detuned types
- CX+ controllers as standard
- Bespoke controller set-up
- Specification design driven
- Small capacitor steps possible
- Many variations and customisation possible
- Cable entry possible to any requirement
- Specification matches or exceeds any competition
- Intended for performance sensitive applications
- Automatic temperature control (where fitted)
- Overtemperature protection (where fitted)
- 2 year parts Warranty

Standard (non-detuned) BlueLine Range

kVAr Rating	Standard Steps	Dimensions (mm)		
		Height	Width	Depth
50	2 x 25	1000	600	300
100	2 x 50	1000	600	300
150	3 x 50	1200	600	300
200	4 x 50	1200	800	300
250	5 x 50	2000	600	600
300	6 x 50	2000	600	600
350	7 x 50	2000	800	600
400	8 x 50	2000	800	600

Detuned BlueLine Range

kVAr Rating	Standard Steps	Dimensions (mm)		
		Height	Width	Depth
50	2 x 25	1200	800	300
100	2 x 50	2000	600	600
150	3 x 50	2000	600	600
200	4 x 50	2000	800	600
250	5 x 50	2200	600	600
300	6 x 50	2200	800	600
350	7 x 50	2200	1000	600
400	8 x 50	2200	1000	600

PowerCab GreenLine Cubicles - Specification Summary

- Ratings from 70kVAr to over 500kVAr as standard
- Specification matches or exceeds the industry standard
- Minimum 440V continuously rated capacitor elements
- Aluminium-wound detuning reactors with 1.8x linearity in detuned types
- Intended for cost sensitive applications
- Top entry as standard
- CX+ controller as standard
- Factory standard controller set-up
- Options available
 - Optional stage ratings to include 25kVAr and 50kVAr steps
 - Choice of incomer (terminals, isolator or fuse switch)
 - Addition of gland box for side or bottom cable entry to detuned system
- 12 months parts warranty

Standard (non-detuned) GreenLine Range

kVAr Rating	Steps	Dimensions (mm)		
		Height	Width	Depth
70	2 x 35	1000	800	400
105	35 + 70	1000	800	400
140	2 x 70	1000	800	400
175	35 + 2 x 70	1800	600	400
210	3 x 70	1800	600	400
245	35 + 3 x 70	2000	600	400
280	4 x 70	2000	600	400
315	35 + 4 x 70	2000	600	400
350	5 x 70	2000	600	400
420	6 x 70	2000	800	600
455	35 + 6 x 70	2000	1000	400
490	7 x 70	2000	1000	400
525	35 + 7 x 70	2000	1000	400

Detuned GreenLine Range

kVAr Rating	Steps	Dimensions (mm)		
		Height	Width	Depth
50	2 x 25	1200	800	400
100	2 x 50	1200	800	400
150	3 x 50	1800	600	500
225	3 x 75	2000	600	500
300	4 x 75	2000	800	500
375	5 x 75	2200	600	600
450	5 x 75	2000	800	600

EnviroCab Cubicles - Specification Summary

- Ratings from 10 kVAr to 75kVAr
- Minimum 440V continuously rated capacitor elements
- Intended for smaller installations with lower reactive power charges
- Cable entry to side, top or bottom (please specify)
- Factory standard controller set-up
- Optional addition of fuse switch incomer
- 12 months parts warranty

EnviroCab Range with equal stage sizes

kVAr Rating	Steps	Dimensions (mm)		
		Height	Width	Depth
10	5 + 5	800	600	300
15	7.5 + 7.5	800	600	300
20	10 + 10	800	600	300
25	12.5 + 12.5	800	600	300
30	15 + 15	800	600	300
40	20 + 20	800	600	300
50	25 + 25	800	600	300
60	30 + 30	800	600	300
70	35 + 35	800	600	300

EnviroCab Range with unequal stage sizes

kVAr Rating	Steps	Dimensions (mm)		
		Height	Width	Depth
15	5 + 10	800	600	300
22.5	7.5 + 15	800	600	300
30	10 + 20	800	600	300
37.5	12.5 + 25	800	600	300
45	15 + 30	800	600	300
60	20 + 40	800	600	300
75	25 + 50	800	600	300

In addition, a full range of ancillaries (e.g. current transformers) and site services (load monitoring, installation and servicing/maintenance) are offered. Please contact our sales team for details.

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