POWERZEN

MANAGEMENT SYSTEMS PRIVATE LIMITED

POWERING A SMARTER TOMORROW

Electrical power, control & distribution solutions

Company and product overview · Draft brochure

About Powerzen

Powerzen Management Systems Private Limited presents an electrical product portfolio covering capacitor banks, power-factor correction, control panels, reactors, bus ducts and operator control desks. This brochure is a draft overview prepared from the supplied company product pages.

Product portfolio

MV Capacitors Bank

Medium-voltage reactive power compensation for industrial and utility applications.

LV Capacitors Bank (MPP Type)

Low-voltage capacitor units for power-factor correction and capacitor-bank assemblies.

APP Type Capacitors

APP-film capacitor units for dynamic load conditions and power-factor improvement.

Control Panels

PCC, PDB, MLDB and MCC panel solutions for industrial power distribution and control.

APFC Panels

Automatic power-factor correction panels with contactor, thyristor and harmonic-filter options.

Reactor

Detuned and tuned reactor solutions for harmonic-filtering applications.

Retro Reflective Type Number Location Plate

Reflective identification and location plates for industrial and infrastructure use.

Bus Duct

Enclosed copper or aluminium busbar distribution systems for high-current applications.

Control Desk

Operator desk panels for field-instrument control through DCS, MMI and PLC systems.

Drive Panel

Servo and drive panel solutions for controlled motor operation.

Technical data overview

Selected values below are reproduced from the source product pages. They are indicative source-page data, not a substitute for an approved datasheet, drawings or project-specific technical offer.

MV Capacitors Bank

Parameter	Source-listed value
Outdoor bank voltage range	1.1 kV to 24 kV
Indoor bank voltage range	1.1 kV to 22 kV
Standard cited	IS 13925 Part I / 1998
Enclosure	IP55 CRCA/steel-sheet enclosure (outdoor bank)
Continuous capability	1.3 × rated current and 1.1 × maximum system voltage
Discharge	To maximum 75 V in less than 10 minutes (source-stated)

LV Capacitors Bank (MPP Type)

Parameter	Source-listed value
Standard cited	IS 13340, IS 13341
Unit output range	1 kVAr to 25 kVAr per unit
Cylindrical voltage options	415 / 440 / 525 / 550 V
Oil-filled voltage options	415 / 440 / 525 / 750 V
Dry-type voltage options	415 / 440 / 525 / 750 V
Frequency	50 / 60 Hz
Phase	Three phase

APP Type Capacitors

Parameter	Source-listed value
Specification cited	Non-self-healing type, IS 13585 / 1994
Single-unit output	5 kVAr to 50 kVAr
Voltage options	415 / 440 / 525 / 750 V
Frequency	50 / 60 Hz
Phase	Three phase
Approximate life stated	5–15 years (source-stated estimate)

Control Panels

Parameter	Source-listed value
PCC construction	14/16 SWG CRCA material; semi-bolted structure (source-stated)
PCC design rating	Up to 6300 A (source-stated)
MLDB bus material	Copper or aluminium as requested
MCC starter coordination	Type-2 coordination (source-stated)
Protection / IP	To be finalised as per project specification

APFC Panels

Parameter	Source-listed value
Contactor type voltage	415 / 440 / 525 / 650 VAC
Contactor type capacity	30–1000 kVAr, 5/6/8/10/12/14/16 steps
Thyristor type voltage	415 / 440 / 525 VAC
Thyristor type capacity	100–1000 kVAr, 8/10/12/14/16 steps
Harmonic filter voltage	415 / 440 / 525 / 650 VAC
Harmonic filter capacity	100–1000 kVAr, 8/10/12/14/16 steps
Detuned reactor options	7% / 14% copper- or aluminium-wound (source-stated)

Reactor

Parameter	Source-listed value
Frequency	50 Hz
Ratings listed	75 / 100 / 150 kVAr
Voltage options listed	3.3 / 3.6 / 6.6 / 7.2 / 12 / 22 / 33 kV
Insulation class stated	F +155°C and H 180°C
Application	Detuned / tuned harmonic filter

Retro Reflective Type Number Location Plate

Parameter	Source-listed value
Product category	Retro-reflective number / location plate
Dimensions	Confirm with project requirement
Reflective grade	Confirm with manufacturer
Material / substrate	Confirm with manufacturer

Parameter	Source-listed value
Mounting method	Confirm with manufacturer

Bus Duct

Parameter	Source-listed value
Current capacity listed	Up to 6300 A
Busbar material	Copper / aluminium
Busbar support	DMC insulators
Busbar orientation	Horizontal / vertical
Enclosure	CRCA sheet enclosure
Installation	Indoor / outdoor

Control Desk

Parameter	Source-listed value
Power source	Electricity
Voltage	220–415 V
Phase	Three phase
Automation grade	Automatic
Surface finish	Powder coated
Frequency	50 Hz

Drive Panel

Parameter	Source-listed value
Input voltage	220 / 380 / 415 / 440 V
Output frequency	0–3200 Hz
Output current	0.7–1100 A
Product type	Servo drive panel (source wording)

Enquiries & project specifications

For a project-specific offer, share the application, voltage, rated current or kVAr, system frequency, installation environment, fault level, enclosure/IP requirements, quantity and project location. Final ratings and compliance requirements should be agreed in the technical offer.

Powerzen Management Systems Private Limited

Registered office details and contact numbers should be verified by the company before this draft brochure is distributed. Product data in this document is based on publicly accessible PMS India product pages and must be checked against current approved datasheets.