



**Power Plant Electrical
Technologies (Pty) Ltd**



POWA-FLEX RANGE

Heavy Current Power Distribution Solution

www.ppetech.co.za | 013 752 3570 | sales@ppetech.co.za

PRODUCT OVERVIEW

The POWA-Flex is a power distribution solution that handles high current load distribution through the use of withdrawable air circuit breakers as load feeders. Each feeder has integrated overload and short circuit protection to provide reliable and safe distribution to various downstream high current loads. All equipment is housed in a metal clad enclosure tailored to the customer requirements for use in industrial, commercial and plant infrastructure.

Additional features include arc flash detection and insulation monitoring through the integrated PPE IM-Flex solution that can detect active phase to earth faults without immediately tripping the supply, providing the operator time to address the fault during a planned shutdown rather than experiencing unplanned outages and downtimes. For more information on the PPE IM-Flex refer to associated brochure.

Incoming and outgoing breakers can range from fixed to withdrawable units with remote and local operating functionality.



KEY BENEFITS AND DIFFERENTIATORS

- **Heavy-duty distribution** – Reliable high-current power distribution.
- **Integrated protection** – Protects against overloads, short circuits, and earth faults.
- **Reduced downtime** – IM-Flex detects insulation faults before outages occur.
- **Enhanced safety** – Metal-enclosed design with isolation and optional arc flash detection.
- **Flexible configuration** – Fixed or withdrawable breakers to suit your application.
- **Remote & local control** – Flexible operation and system integration.
- **Power monitoring** – Integrated metering and communication capabilities.
- **Built for industry** – Rugged, reliable performance in demanding environments.

TYPICAL APPLICATIONS AND INDUSTRIES

The POWA-Flex is designed for applications requiring safe, reliable heavy-current power distribution, including:

- Industrial manufacturing plants
- Mining operations
- Oil and gas facilities
- Power generation plants
- Water and wastewater treatment plants
- Commercial buildings
- Data centres
- Hospitals
- Large infrastructure projects



PERFORMANCE HIGHLIGHTS

- Withdrawable unit buckets for safe isolation and maintenance.
- Reduced downtime through servicing of individual buckets while the MCC remains energised.
- Simplified maintenance with quick removal and replacement of unit buckets.
- Future-ready design with replaceable and upgradeable buckets that adapt to changing site requirements.





CONTACT US



www.ppetech.co.za



info@ppetech.co.za | sales@ppetech.co.za



Gauteng: +27 (0)12 940 3971

Mpumalanga: +27 (0)13 752 3570

Western Cape: +27 (0)87 057 4001

KwaZulu-Natal: +27 (0)31 020 2030



Gauteng: 477 Jasmyn Street, Silverton, 0184

Mpumalanga: 3 Christie Crescent Vintonia Ext.2, Nelspruit, 1200

Cape Town: Unit 1 Oro Three 5 Junction Rd, Killarney Junction, 7441

KwaZulu-Natal: 7 Moreland Drive, La Lucia, 4159

