

Power Control Aisle Plus (PCA+)

Powell Walk-In NEMA-3R Equipment Enclosures

DESIGN CONCEPT

Powell's Power Control Aisle Plus (PCA+) product line offers a compact and highly cost-effective solution to provide a NEMA-3R environmentally insulated personnel aisle-way for your switchgear line-up. The control aisle construction can enclose any Powell standard MV Switchgear 5kV to 38kV design. PCA+ is Powell's most economical solution for your project application, whichever it may be:

- Wind and Solar (Renewable Energy Projects)
- Distributed Generation
- Commercial
- Light Industrial
- Government
- Water/Wastewater
- Institutional
- Hospitals
- Colleges/Universities

CONSTRUCTION AND DESIGN FEATURES

The PCA+ assembly is constructed of double skinned insulated metal panels that fully encloses switchgear cubicles, for 5kV to 38kV applications providing a weatherproof NEMA-3R insulated enclosure.

Doors with lockset handles and panic hardware are located at each end of the aisle. A working space with a minimum width of 36-inches can be provided at either end of the lineup to serve as a general work area, storage area, or space for batteries and charger.

Louvered openings are distributed around the enclosure to provide proper ventilation. Convenience receptacles, three-way light switches, and interior lighting is included as a standard. The enclosure comes with a minimum R-12 thermal insulating value to withstand Canada's tough climate challenges.



Assembled Power Control Aisle
ready for shipment



View of Power Control Aisle Interior

POWER CONTROL AISLE PLUS™ (PCA+)

Designed for our customers that require additional environmental control and design features, Powell's Power Control Aisle Plus offering provides an economical alternative to a Power Control Room (PCR®) assembly.

TYPICAL DESIGN FEATURES AND ACCESSORIES

- NEMA-3R Compliant Construction
- Hinged rear access doors or bolted panels
- Two Personnel access doors
- Galvalume finish with optional color coating
- Wall-mounted ventilation fan or optional wall-mount HVAC
- Comfort heater
- Wall and Roof insulation (R-12 standard)
- Optional Floor Insulation
- Wind/Snow load ratings (if specified)
- Seismic ratings (if specified)
- Structural skid with bottom lifting lugs
- P.Eng/PE Stamping of structural assembly (if specified)

SHIPPING OPTIONS FOR POWER CONTROL AISLE PLUS™ (PCA+)

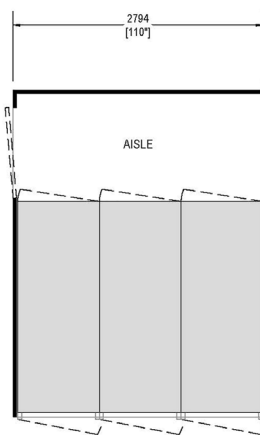
Powell's Power Control Aisle Plus product is fully assembled and wired at Powell's facility. After completion of the factory acceptance test, the PCA+ is split in 2-wide or 3 wide sections for shipment with non-permit loads. Each shipping section is supported by an independent steel base with bottom lift provisions for easy placement and quick reconnection at the job site.

DESIGN CONFIGURATIONS

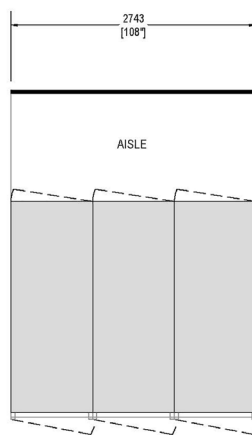
Power Control Aisle Plus (PCA+) offers flexible design options to fit your specific equipment configurations while providing additional working spaces as required for miscellaneous support equipment and accessories. Overall dimensions may vary based on code requirements. Multiple workspace sections can be provided to create an extended floor plan to house supporting equipment such as utility panels, battery chargers, batter racks, work desks, storage units, etc.



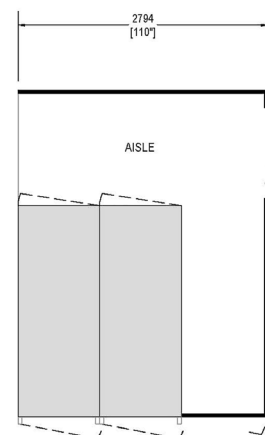
(Typical PCA-Plus assembly split for shipment)



3 SECTION OPEN RIGHT



3 SECTION OPEN



3 SECTION OPEN LEFT


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