

Power Control Center™

- Customized High Performance SCR Power Control Systems
- Flexible, Modular SCR Buckets
- Expand and Adapt to Changing Applications
- Minimizes Process Downtime
- Rugged Construction
- Extensive Built-In Safety Features

Description

The Power Control Center™ is a modular heating and control system solution that packages our advanced line of high performance SCR power controllers in the same flexible, modular packaging that made motor control centers (MCC) the industry standard for electrical distribution and motor control. Modular design allows for growth and adaptation, allowing the system size and configuration to be changed at any time, or to add on to existing motor control center line-ups.

The heavy duty, interchangeable SCR “buckets” can be easily removed for maintenance and reconfiguration. These buckets economically package all bus work, wiring, contactors and SCR power modules into one enclosure. Each bucket is pre-wired and pre-tested. The centralized electrical bus and molded stabs have no exposed wires and provide easy installation, optimum conductivity and minimum maintenance.

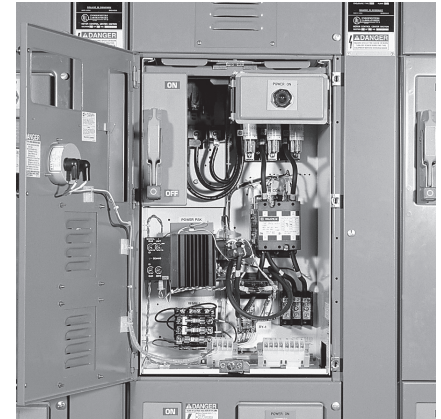
Designed for personnel, equipment and process protection, the compartmentalized design isolates any potential device failure from affecting other units. The units are constructed for long-term service in our ISO9001 and UL certified panel manufacturing facility.



Modular Design



Power Control Center™ (cont'd.)



Specifications

MCC Make or Model	Square D Allen-Bradley Other
Depth	15" or 20"
Bus Bracing (KAIC)	Standard (42K) 65K
Horizontal Bus (Tin Plated Copper)	600 Amps 800 Amps 1200 Amps
Vertical Bus (Tin Plated Copper)	300 Amps 600 Amps
Horizontal Ground Buss (1/4" x 1")	
Vertical Bus Shutters	Available
Vertical Isolation Barriers	Available
Main Feeder Incoming Power	• 3-wire • 4-wire
Main Feeder	• Lugs Only • Circuit Breaker (KAIC) • Non-Fused Disconnect Switch • Fused Disconnect Switch
Plug-In Unit Switchgear	• Circuit Breaker (KAIC) • Non-Fused Disconnect Switch • Fused Disconnect Switch

Isolation Contactor	Available
Auxiliary Contactor	• 1 Normally Open • 1 Normally Closed • 1 Normally Open/ 1 Normally Closed • Other
Contactor Coil Voltage	• Supplied Internal to unit • Field Supplied
Power ON Light	Available
Power Controller	• Single Phase • 3-Phase • 3-Phase, 4 Wire • Single Phase Tap Changer
Load	Resistive Inductive
kW	Specify
Line Voltage	120, 208, 240, 277, 480, Other
Frequency	60 Hz 50 Hz
Control Signal	Specify
I²T Fusing	Available
Heat Sink Thermal Switch	Available
Ammeter	Available
Voltmeter	Available
Wattmeter	Available
Auto/Manual	Available

Ordering Information

Contact your Local Chromalox Sales office for detailed application specifications.