



PowlVac® Series 5 Vacuum Circuit Breakers

ANSI PowlVac Circuit Breakers | 5kV through 38kV Applications

THE LATEST EVOLUTION OF POWLVAC VACUUM CIRCUIT BREAKER:

Powell's new Series 5 PowlVac Vacuum Circuit Breaker is built on the trusted platform of our previous series breakers with enhanced design features that deliver more reliability, increased maintainability, and operational flexibility.

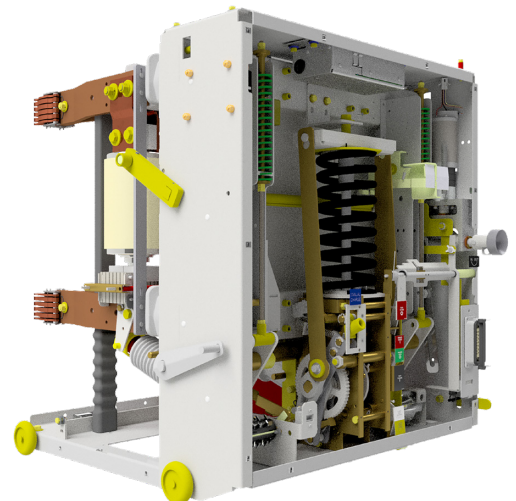
As with our previous PowlVac designs, the Series 5 Breaker offers the same design features and advantages customers have come to expect including ease of maintenance, operational safety, and reduced life cycle costs.

NEW SERIES 5 BREAKER ENHANCEMENTS INCLUDE:

- Emergency manual closed-door racking upon loss of control power.
- New breaker mounted racking shaft mechanism simplifies manual racking operations.
- Onboard Racking (OBR2) technology provides remote racking capability with improved position sensing, ensuring proper racking and automatically reverting to a safe breaker position within the cell in the event of a racking issue.
- Wide range of breaker control voltages:
 - 120/240VAC & 125/250VDC for greater design flexibility.
- Series 5 Breakers can be easily retrofitted with OBR2 technology at any time in the future without major delays or shutdowns.

RETRO-FIT AND RETRO-FILL OPTIONS:

Series 5 PowlVac Breakers are not backward compatible - due to the enhanced design and safety features inherent in the Series 5 breaker. Contact Powell Global Services to discuss upgrade options for your existing PowlVac breaker and switchgear installations.



Proven Reliability • Enhanced Performance • Advanced Technology

Solving your toughest problems.

We're with you every step of the way,
from project inception to product delivery.

Powered By Safety®

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For more than 75 years, Powell has delivered engineered electrical power solutions for some of the world's most critical applications.

With US based engineering, manufacturing, testing and life cycle support, Powell continues to be a leader in innovative breaker designs that help our customers achieve system reliability, ease of maintenance, and design flexibility for a variety of industrial and commercial applications where 5kV up to 38kV vacuum circuit breaker designs are specified.

Proven Performance

Enhanced Safety

Simplified Maintenance

Domestic Manufacturing

Operational Flexibility

POWLVAC® SERIES 5 BREAKER RATINGS:

Voltage Class (kV)	Cubicle Width (in)	Interrupting Rating (kA)	Continuous Current Rating					Dielectric Rating - BIL (kV)	Dielectric Rating - Power Frequency (kV0)
			1,200A	2,000A	3,000A	4,000A ⁽¹⁾	5,000A ⁽²⁾		
5	26	36	X	X				60	19
		50							
	36	36	X	X	X	X			
		50							
		63							
15	36	25	X	X	X	X		95	36
		36							
		50							
		63							
		63G ⁽³⁾							
	48	63G ⁽³⁾					X		
27	36	25	X	X				125	60
	40	25							
		40							
29.8	36	25	X	X				125	60
38	40	25	X	X				150	80
		40							
	54	40			X				

Notes:

(1) The 4000A Breaker is Force-Cooled.

(2) The 5000A generator is fixed mounted with an isolation switch. Cannot be equipped with OBR2 technology.

(3) 63G indicated a generator rated circuit breaker, tested to C37.013.



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