



GENERATOR CIRCUIT BREAKER COMPARTMENT



Generator Circuit Breaker cubicles are medium voltage metal enclosed cubicles containing a Generator Circuit Breaker, disconnect switches, earthing switches, instrument transformers and surge protection devices for isolation, synchronization and protection of power systems.

This equipment contains

- Medium voltage bus work
- Generator Circuit Breaker (Vacuum or SF₆)
- Line disconnect switch
- Earth switch on Generator side of GCB
- Earth switch on Transformer side of GCB
- Current transformers
- Voltage transformers
- Surge protection components (Lightning arrester, Surge capacitor)
- Low voltage control box to which all CT, VT, control circuit for switchgear and GCB are wired to provide interface to low voltage circuit

Features

- Both system and components designed and tested to IEEE and IEC standards
- Critical components are tested for thermal cycling to ensure reliable operation in extreme ambient conditions
- Enclosure is aluminium in order to handle high current. Bus bar is aluminium or copper
- Operating reliably in all installations across the world
- Low maintenance
- Suitable for outdoor installation and extreme ambients (-40°C to +65°C)
- Draw-out and Fixed type offered
- Interfaces suitable to connect bus duct or cables

Brief specification

Rated voltage	:	Up to 24 kV
Rated continuous current	:	Up to 8000 A
Rated frequency	:	50Hz/60Hz
Insulation level	:	60 kV rms / 125 kV peak
Short circuit current (main)	:	100 kA rms-1sec / 300 kA peak
Standards	:	IEEE C37.20.3, IEEE C37.20.2, IEC 62271-200, IEEE C37.013

OTHER PRODUCTS DESIGNED AND MANUFACTURED

Isolated Phase Busduct, Segregated Phase Busduct, Non-Segregated Phase Busduct, Terminal Compartment, Generator Circuit Breaker Cubicles, Generator Accessories Cubicle, Electroplating -Silver, Tin and Nickel, Motor Control Centers, Disconnectors , E-house / PEECC, Wind Tower, Embedded Systems, Copper flexibles.

ABOUT POWERGEAR

The group has been in the field of design, manufacturing and erection of high current busduct, specialized switchgear and control panels. With certifications like ISO 9001, ISO 14001, OHSAS 18001, AWS and many awards for excellence in product quality, fulfillment and long term association with many global giants, it is natural that best products and services are assured. Powergear products are in operation in more than 50 countries across the world.



Scan this QR code with your smart phone
for a direct link to our website.

Powergear Limited

Plot No – B-33 , Phase II, 5th Main Road , SEZ-MEPZ
Tambaram, Chennai – 600045, INDIA

Tel : +91 44 42901111

Fax: +91 44 22624434

Email: enquiries@powergearlimited.com,

www.powergearlimited.com