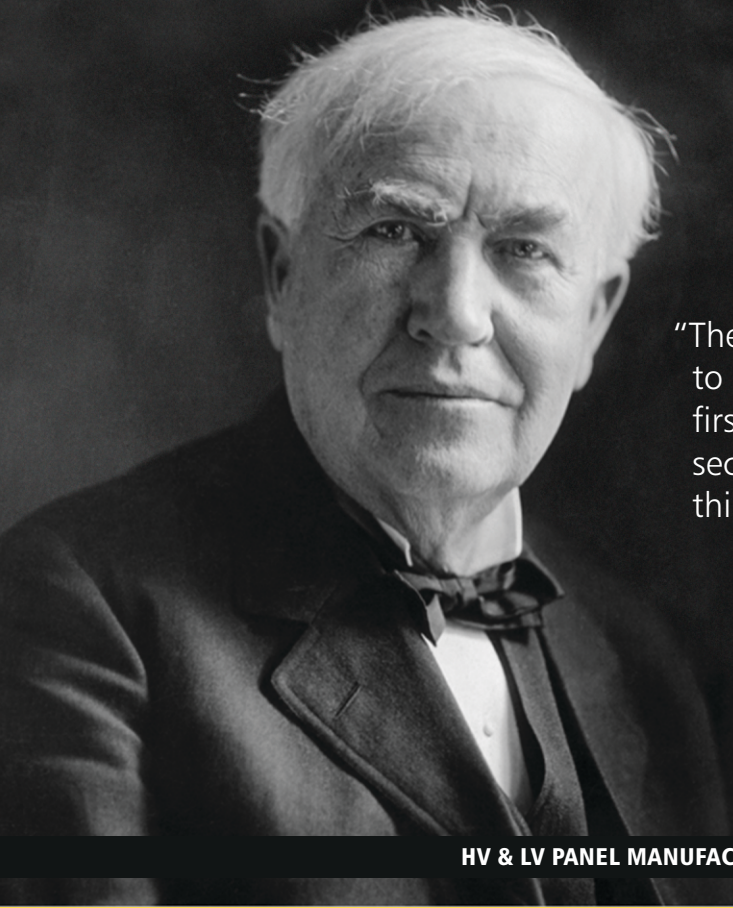


A Team committed to Service Excellence



"The three great essentials
to achieve anything worthwhile are,
first, **hard work**;
second, **stick-to-itiveness**;
third, **common sense**"

- Thomas A. Edison

HV & LV PANEL MANUFACTURERS



BK POWER
The Electric Switchgear Company



Mfrs.: **Power - Fx** VCB, RMG, LBS Panels (upto 33 KV) | **Power - Mx** Modular LT Panels (upto 650V)

Channel Partner :



Transient Surge Protection, Cable trays & Lightning Protection



www.bkswitchgear.com

Regional Office : Y-146, 3rd Street, Anna Nagar, Chennai - 600 040.
Regd. Office & Factory : No.7&8, S.M. Nagar West, Near Vellakinar Housing Unit Phase II,
N.G.G.O. Colony, Coimbatore - 641 022. Tamil Nadu. India.
Phone : +91 422 6562775 Mobile : +91 9894730031
E-mail : engineering@bkswitchgear.com



Member IGBC

DN. Murali
General Manager - Marketing
+91 91766 09380
sales@bkswitchgear.com

S. Mangaleswara Boopathy
Asst. Manager - Sales
+91 80565 33398
sales@bkswitchgear.com

D. VADIVEL
Manager
+91 98947 10149
engineering@bkswitchgear.com

P. Balasubramaniyam
Project Engineer
+91 98946 33398
balu@bkpower.in

An ISO 9001-2015 Certified Company



BK POWER
The Electric Switchgear Company

The Policy.
At BK we consider
your electrical
systems to be an
asset. Built to
last a life time

Engineer S.'BK' BALAKRISHAN

Founder of M/s. BK POWER (Formerly BK CONTROL SYSTEMS).

Practicing Electrical Engineering since 1987.

Electrical Engineer from CIT.

Trained under BEST & CROMPTON Team.



We introduce ourselves as a group of well experienced technocrats who are completely dedicated to customer satisfaction by providing Best Technical Support, Products and Services. We provide complete “DESIGN & ENGINEERING”, “MANUFACTURING”, ”ERECTION & COMMISSIONING”.

We provide best engineered solutions for electrical power distribution and control.

We are a 30 years experienced in the field of HT and LT switch gears with state of art manufacturing plant at Coimbatore. We have Latest CNC machines for fabrication, Busbar bending, drilling and welding facilities etc.

Design Department: The design and engineering team at BK POWER is one of the most experienced and is able to meet the requirements of customers for custom-built Electrical Switchboards. Our team incorporates hands-on experience and first-class Management expertise.

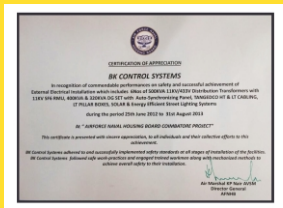
Manufacturing Department: We have a well-equipped unit to process up to 3mm CRCA / GP / Aluminum Sheet. We have advanced machineries to fabricate HT & LT Panels Enclosures which have **POWER- Mx** modular type design. (Complying with form of separation 4-B as per IEC-61439)

Authorised Distributor: OBO BETTERMANN INDIA Pvt LTD. Complete Range of Products like LV Transient SPDs, Cable Trays and Lightning Protection and Earthing Systems.

BK POWER has diligently developed its technical know-how and organizational capabilities, allowing it to successfully complete more demanding projects within its selected markets of **Engineering, Textile, Food, Chemical, Building and IT.**



Appreciation from AFNHB



Appreciation from AFNHB



CRPI Type Tested HV & LT Panels

PROFILE - INTRODUCTION

An ISO 9001-2015 Certified Company

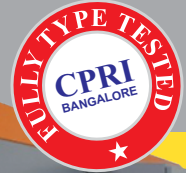


BK POWER
The Electric Switchgear Company

think
job
done

Power - Fx HT PANELS

**Vacuum Circuit Breaker Switchgear
Medium Voltage Metal Clad Switchgear - Air Insulated
Type BK POWER Fx - 12/24/36 KV VCB PANEL**



MODEL DESCRIPTION

- Duty – Outdoor Weather Proof Kiosk / Indoor
- TYPE – SINGLE / MULTIPLE Line-up Cubicle Panels.

STANDARDS:

- IS - 13118 (1991)
- IEC 62271-100
- IEC 62271-200

FEATURES & BENEFITS

- TYPE – SINGLE / MULTIPLE Line-up Cubicle Panels.
- Suitable for rated currents of 630/800/1250A.
- Suitable for fault currents up to 26.3kA.
- Simple and compact design.
- CGL Make Hermetically-sealed vacuum interrupters.
- Breaker – Manual Draw out type truck assembly Designed comply with IEC 62271-100 standards.
- Spring charged mechanism with shunt trip feature.
- Easy access, High reliability, safety of operation and Minimal maintenance with optimized mechanical design.
- Metal clad, fully enclosed design with High Efficient Resin cast CTs/PTs.
- Extendable on both sides.
- Automatic safety shutters ensuring safeguard of operating personnel.
- Floor-mounting & free-standing type.
- Wide range of breaker tripping/closing control supply.

APPLICATIONS:

Primary side (High Voltage) Control and Protection of Distribution Transformers in Commercial, Industrial Buildings, Townships etc. Control and protection of overhead lines, cables, HV Motors, arc furnaces and HV Capacitor banks.

RANGE OF PRODUCTS - Medium Voltage Switchgears :

Compact Substation, Vacuum Contactor, Load Break Switches-LBS, RMGs, RMUs

POWER- Fx HT Panels offered with BK POWER / ABB / L&T / SIEMENS/ CGL / SCHNEIDER.

HV SWITCHGEAR MANUFACTURERS

An ISO 9001-2015 Certified Company

GUARANTEED Technical particulars of VCB (12KV,1250A,26.3KA)

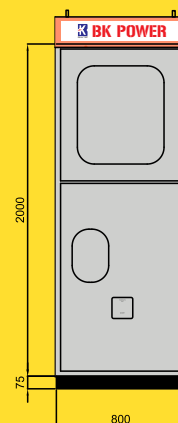
Nominal System Voltage	11 KV
Highest System Voltage	12 kV
Frequency	50 HZ
Normal Current Ratings	1250 A
Symetrical Breaking Capacity	26.3 kA (rms)
Short time Current rating for 3 Sec.	26.3KA (rms)
Dynamic Peak withstand capacity	65.75 KA peak
Short circuit Making Capacity	65.75 KA peak
Lightning impulse wave withstand test voltage	75 kV peak
Power Frequency withstand test voltage (60.0 sec)	28.0 kV /32.0 rms (ph to earth /across open contact)
No. of Poles	Three
No. of Breaks in circuit per pole	Single
Rated operating sequence	O-300ms-CO-3min-CO
Opening Time	< 50 mSec
Making Time	< 60 mSec
Satisfactory Closing operation Voltage	85% - 110% of Control Supply
Satisfactory Tripping operation Voltage	70-110% Control Supply
Electrical life at rated current	10,000 operations
Electrical life at Full fault breaking	100 operations
Mechanical life	20000 operations
Type of mechanism	Spring operated
Aux supply	110V DC
Minimum Clearance in air	Adequate to withstand BIL of system.
a) Between Phases	
b) Between Live parts & earth	
VCB class.	E1/C1/M2
Capacitor switching capacity	400A
Cable charging current capacity.	25A
Out of phase switching current	6.575KA
Standard to which conforms	As per IEC 62271-100/200 & IS - 13118 (1991)

Approvals:

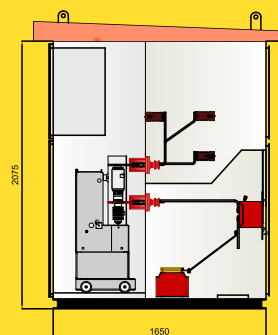
- TANGEDCO
- CPRI type tested to latest IEC /IS standards



12kV 1250A 26.3kA
Single Panel with Cable Box



▲ Front View



▲ Sectional Side View

HV SWITCHGEAR MANUFACTURER

An ISO 9001-2015 Certified Company

Load Break Switch Up to 630 A 12/24/36 KV

Complies with IEC - 265/IS-9920

AVAILABLE COMBINATIONS:

Ring Feeder or Incomer	: Load Break Switch + Earth Switch (LBS+ES)
Ring Feeder or Incomer with Earth Leakage Relay	: Load Break Switch + Earth Switch with CBCT & Earth Leakage Relay (LBS+ES+ELR)
Tee-Off Feeder or Outgoing	: Load Break Switch + HT HRC Fuse + Earth Switch (LBS+FT+ES)
Tee-Off Feeder or Outgoing	: Load Break Switch + HT HRC Fuse + Earth Switch with CBCT & Earth Leakage Relay (LBS+FT+ES+ELR)

FEATURES & BENEFITS

Operating Mechanism	Spring Assisted	VCB Mechanism
Operating Method	Manual	Manual / Motor

- Compact / Reliable / Safety Interlocks
- Extinguishing the arc by a Self developed air blast technology
- Position viewing glass window to analyze contact position
- Tripping Options: Remote trip, Manual, Shunt coil & Fuse trip arrangement
- Space heater with thermostat
- Indicating Lamps & illumination Lamp
- Available in both Indoor and Outdoor version



TECHNICAL SPECIFICATIONS:

DESCRIPTION	PARAMETERS
Type of break	Air
Rated Voltage	12 KV
Nominal System voltage	11 KV
Rated Current	630 A
Power Freq. withstand Voltage	28 KV rms
Impulse Withstand Voltage	75 KV
Rated Frequency	50/60 Hz
Number of Phases	3
Rated Short time withstand Current	26.3 KA/1 Sec
Rated making Capacity	63 KA
Panel height	1820mm
Panel Depth	1460mm
Panel Width	700 mm
Structure	2mm sheet with Powder painting RAL:7032
Installation	Indoor & Outdoor
Cable termination IN & OUT	Bottom cable entry



ADVANTAGES :

- Safe due to direct access to live parts is not possible
- Used in RMU with Multi panel configuration
- Main switch & Earth switch are mechanically interlocked
- Easy to access the Fuse in HT Fuse Chamber
- Easily repairable on site
- Completely closed door operation for operator safety
- Reliable & Robust Mechanism

Instrument Transformers

MV INDOOR RESIN CAST CTs, NCTs, PTs, RVTs

CTs, NCTs

TECHNICAL SPECIFICATIONS:

Operating voltage	: Up to 36 kV
Primary Current	: Up to 4000 A
Secondary Current	: 0.577A, 1 A, 2.87A, 5A
Rated Burden	: 5, 10, 15, 20, 30, 60 VA
Short Time Current Rating	: Up to 40 kA for 1sec
Class of Accuracy	: 0.1, 0.2s, 0.2, 0.5s, 0.5, 1, 5P, 10P, PS
Accuracy Limit Factor	: 5, 10, 15, 20
Frequency	: 50 Hz
Reference Standards	: IS - 2705, IEC- 61869



Type tested



Single Phase CT

PTs , RVTs

TECHNICAL SPECIFICATIONS:

Construction Features	: 1 ϕ , 2 ϕ , 3 ϕ , HV Fuses PTs, RVTs
Operating voltage	: up to 36 kV System Voltage
Secondary Voltage	: 110, 110/ $\sqrt{3}$, 110/3, 12, 190 V
Rated Burden	: up to 300 VA
Voltage Factor	: 1.2 cont. and 1.5 for 30 sec / 1.9 for 30 sec / 1.9 for 8 hrs.
Class of Accuracy	: 0.1, 0.2s, 0.2, 0.5s, 0.5, 1, 5P, 10P, PS
Frequency	: 50 Hz
Reference Standards	: IS - 3156, IEC- 61869



Single Phase PT

OTHER RANGE OF PRODUCTS :

- MV Outdoor Oil Cooled CTs, NCTs, PTs, RVTs
- Outdoor Oil Cooled CT-PT metering unit
- Outdoor / Indoor HT Metering cubicle
- Low Tension CTs, PTs, Summation CTs, Core Balance CTs,
- Control Transformers

APPLICATIONS:

Switching of Transformers, Overhead lines, Capacitors, Cables & Ring mains.



MV Indoor Potential Transformers



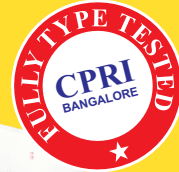
MV Indoor Current Transformers



BK POWER
The Electric Switchgear Company

A passion
for safety
and quality

Power - Mx Modular LT PANELS



Having work shop of an area of 15,000 Sq.ft with facilities of equipments comprising of CNC Shearing Machine, Press Break, Punching Machine, Welding (Inverter, TIG, MIG, Arc etc.)

In response to customer and community needs, the company expanded operations under the BK Group to include the electrical HT & LT Panel manufacturing.

Power- Mx ModularType Design

Trouble-free installation, reduced construction times, and long-term dependability

POWER- Mx Modular LT Panels integrated with ABB / L&T / SIEMENS / SCHNEIDER / LEGRAND / SIEMENS / SOCOMEC devices to ensure reliability and proven design.

Our Range of Products :

- EB / Genset Changeover Panels
- Power cum Motor Control Centre
- Distribution Boards, Feeder pillars
- DG, AMF, SYN & PLC Panels
- Rising Mains and Bus Ducts
- Auto - PF Correction systems
- Active and Passive Harmonic filter panels
- Distribution Boards, Feeder pillars
- Rising Mains and Bus Duct



LT PANELS MANUFACTURERS

An ISO 9001-2015 Certified Company



BK POWER
The Electric Switchgear Company

Safety
is our
Top Priority



CHANNEL PARTNER



German • India

OBO BETTERMANN PRODUCTS :

- LV Transient SURGE PROTECTION DEVICES for power equipments
- External lightning protection and earthing systems
- Cable trays & Cable support systems Fire protection systems

OUR CLIENTS

An ISO 9001-2015 Certified Company