

HT PANELS

11KV & 33KV

High Voltage Switchgear
& Protection Systems

Reliable. Safe. **Engineered for Performance.**



26.5/31.5kA
BREAKING CAPACITY



2500A
MAX RATED CURRENT



IP4X
ENCLOSURE RATING



IEC
CERTIFIED

IEC
62271



25+

YEARS OF
ENGINEERING
EXCELLENCE

02 | PRODUCT RANGE

6 PANEL TYPES 11kV & 33kV INDOOR & OUTDOOR

STANDARD PANEL CONFIGURATIONS AVAILABLE

01



VCB PANEL

Indoor metal-clad VCB panels with Siemens 3AH/3AF vacuum interrupter technology.



11 kV / 33kV



630A - 2500A



Up to 31.5kA

Fixed / Drawout

02



LBS PANEL

3-position LBS (Open/Close/Earth) for radial and ring distribution.



11kV / 33kV



400A / 630A



3- Position

Wall / Floor Mount

03



RMU

Compact RMU for ring main feeder protection and sectionalisation. SCADA-ready optional.



11kV



2 - 5 Way



SCADA Ready

Compact & Reliable

04



METERING PANEL

Revenue-grade HT metering panel with Class 0.25 CTs & Class 0.2 PTs. DISCOM approved



Class 0.2S



DISCOM Approved



AMR Ready

Accurate & Compliant

05



BUS COUPLER PANEL

Bus section/tie panel with auto or manual changeover logic and synchronising check.



Auto / Manual



Sync Check



Load Transfer

Secure Operations

06



ICOG PANEL

Weatherproof outdoor switchgear for remote feeder and substation applications.



IP55



Anti-Corrosion



Outdoor Grade

Rugged & Durable

PANEL TYPE	VOLTAGE	CURRENT RATING	BREAKING CAPACITY	VCB MAKE	CONFIGURATION
VCB Incomer	11kV / 33kV	1250A / 2000A / 2500A	25kA / 31.5kA	Siemens 3AH/ 3AF	Fixed / Drawout
VCB Feeder	11kV / 33kV	630A / 800A / 1250A	25kA / 31.5kA	Siemens 3AH/ 3AF	Fixed / Drawout
Bus Coupler	11kV / 33kV	1250A / 2000A	25kA / 31.5kA	Siemens 3AH/ 3AF	Fixed / Drawout
LBS (3-pos)	11kV / 33kV	400A / 630A	16kA / 25kA	—	Mounted / Floor
HT Metering	11kV / 33kV	As per CT ratio	N/A	—	Class 0.2S / 0.5S
Outdoor RMU	11kV	630A	16kA	Siemens / other	2 - 5 Way



RELIABLE. SAFE.
ENGINEERED FOR PERFORMANCE



BUILT FOR
INDUSTRY



TESTED TO
STANDARDS



BACKED BY
EXPERTS

25+

YEARS OF
ENGINEERING
EXCELLENCE

03 | TECHNICAL SPECIFICATIONS

Engineered for Safety. Built for Reliability.

ELECTRICAL RATINGS

01	Rated Voltage	11kV / 33kV
02	Rated Frequency	50 Hz (±5%)
03	Rated Normal Current	630A to 2500A
04	Short Circuit Breaking	Up to 31.5kA (1Sec / 3sec)
05	Short Circuit Making	82.5kA peak (2.5x breaking)
06	Power Frequency Withstand	28kV/70kV (11kV/33kV)-1 min
07	Lightning Impulse (BIL)	75kV / 170kV (11kV / 33kV)
08	Degree of Protection	IP4X (Indoor)/IP5X (Outdoor)
09	Mechanical Endurance	10,000 operations (M2 class)
10	Electrical Endurance	E2 class per IEC 62271-100



PANEL CONSTRUCTION

01	Sheet Metal Thickness	2mm CRCA (partitions: 1.6mm / Gland Plate 3mm)
02	Paint Shade	RAL 7032 Light Grey (standard)
03	Busbar Material	Electrolytic Copper (standard)/Aluminium
04	Bus Insulation	Heat shrink sleeve epoxy supports
05	Earthing	25-3mm copper earth bus, fully looped
06	Compartmentalisation	Busbar/Cable/VCB-fully separated
07	Arc Flash Protection	Pressure relief duct (optional arc-resistant)
08	Cable Entry	Bottom/top (double gland plate standard)

VCB TECHNICAL SIEMENS 3AH / 3AF

- Vacuum Interrupter Make: Siemens (OEM - Authorised Partner)
- Type Test Certificates: Valid CPRI type test reports
- Contact Life: 30,000 no-load/10,000 full-load ops
- Closing Time: \$70ms (at 85%-110% rated voltage)
- Opening Time: \$40ms
- Anti - pumping: Standard (electrical)

04 | STRONG PARTNERSHIP. SUPERIOR SOLUTIONS

Powertech Transformers is proud to be an Authorised Channel Partner of **Siemens**, delivering globally trusted technology with dedicated regional expertise.

SIEMENS



WHY POWERTECH WITH SIEMENS?



GLOBAL TECHNOLOGY. LOCAL EXPERTISE

Siemens proven technology combined with Powertech's engineering excellence and focal support



TRUSTED QUALITY & RELIABILITY

Built with Siemens components ensuring world-class quality, safety and long service life



ADVANCED ENGINEERING & INNOVATION

Access to latest innovations in switchgear for enhanced performance and efficiency..



END-TO-END PARTNERSHIP

Complete solution provider from engineering, manufacturing to testing, commissioning and after-sales service.



DEDICATED SUPPORT. ALWAYS

Strong local presence ensuring quick response and reliable after-sales support

25+ YEARS OF
ENGINEERING EXCELLENCE

Over two decades of powering industries with **trust**, **innovation** and uncompromised **quality**.

CONTACT US



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