

SIEPAN Elite Applications

SIEPAN Elite Design Verified Low Voltage Switchgear Assemblies as per IEC 61439 - 1 & 2 Edition 2020 caters the need of various Industrial and Infra segments. Few of them to highlight are :

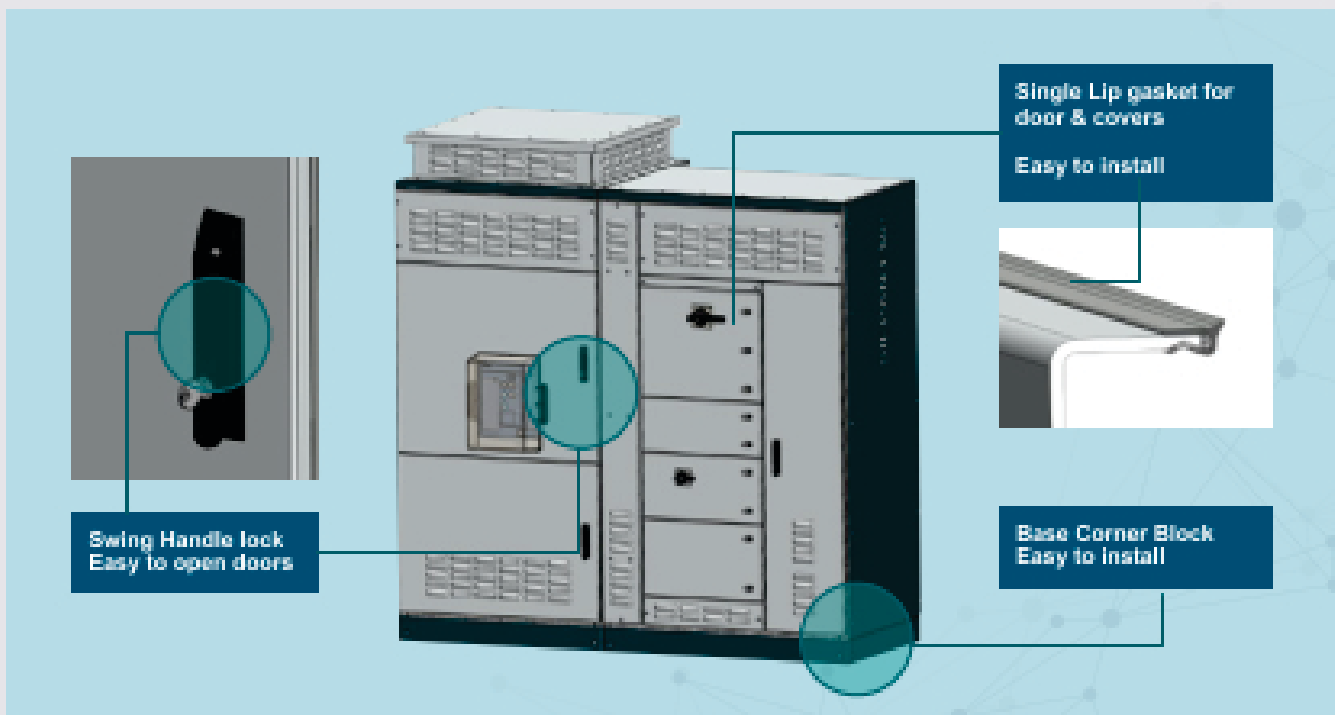


SIEPAN Elite Design Verified Switchgear Assembly with **IEC 61439-1 & 2 Edition 2020** is all set to revolutionize the market with its **Innovative design, Value driven solution,** and commitment to **Quality with Safety.**

Catering maximum demand of Infrastructure & Industry upto 4000A, 50kA/1 sec. It is accessible now nation wide through our network of Licensed partners.

Designed with unique USPs:

- ✓ **Bolted and Modular Structure:**
Robust and flexible configurations tailored to application needs
- ✓ **4 Pole Vertical Busbar:**
Provides comprehensive power distribution and control
- ✓ **Non-Interleaved design with Neutral Busbar adjacent to Main Busbar:**
This leads to reduced Switchboard depth and increased feeder density with minimal energy loss
- ✓ **Reduced Height of 2000mm:**
Optimizes space without compromising performance
- ✓ **3-Point Lock with Padlocking Option:**
Adds an extra layer of security for common control systems
- ✓ **Optimized Overall Dimensions:**
Includes refined module sizes for more efficient use of space
- ✓ **100% Neutral Option Available:**
Offers flexibility to meet diverse electrical requirements
- ✓ **Design Verified with SINOVA:**
SIEPAN Elite is design verified with SINOVA to optimize overall offerings
- ✓ **SPECS Software:**
Our proprietary cloud-based design software ensures precision and ease of control. SPECS supports users throughout the entire process, from estimation and engineering to manufacturing



SIEMENS

Ingenuity for life

LICENSED PARTNER :

BK POWER TECH
Since 1989 ENTIRE ELECTRICAL & AUTOMATION SOLUTIONS



SIEPAN 8PU Low Voltage Switchboards Technology by Siemens

Licensed Partner built PCC, IMCC, Draw-out MCCs, APFC
solutions

www.bkpowertech.com

Siemens 8PU design for low voltage switchboards has become an industry benchmark with proven performance for the past many decades.

Designed to operate in challenging conditions of high ambient & dust 8PU low voltage switchboards have been patronized by various segments like cement, steel, refinery, oil & gas, pharma, F&B, data centres, hospitals & hotels, metro-rail projects having deployed more than 100,000 LV switchboards for maximum reliability and performance.

This proven technology from Siemens for SIEPAN 8PU® LV Switchboards is now also available through a network of Licensed Partners across the country.

Customer benefits at a glance:

- Siemens innovation & technology
- Maximum reliability in protection of your plant and equipment
- Maximum safety for operating personnel
- Suited for the most arduous site conditions
- Compact and space saving
- Extensive License Partner network across the country

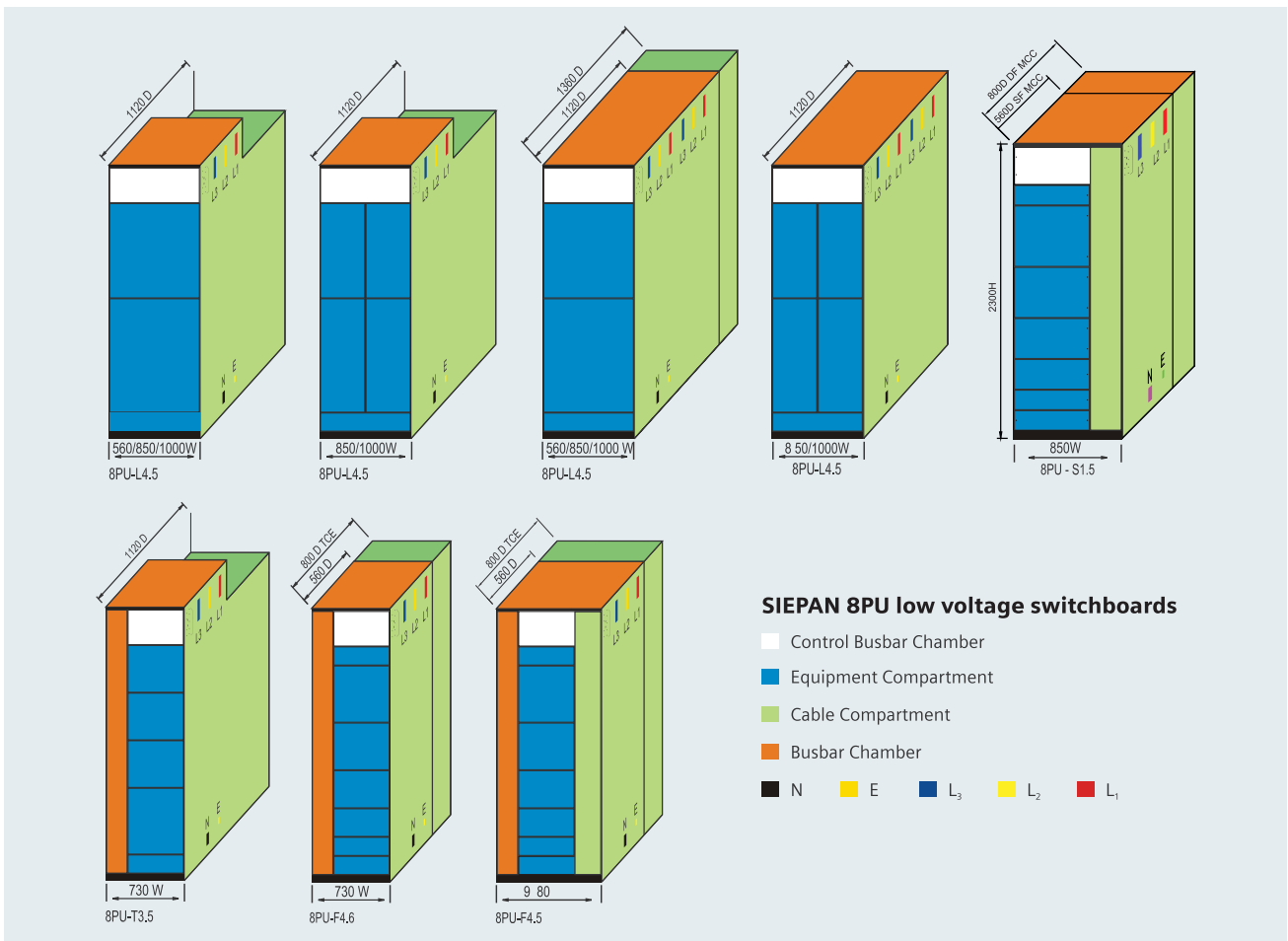
Highlights:

- Conformance to Type Tested assemblies (TTA)
- Conformance to Seismic withstand upto Zone V
- Conformance to Internal Arc Containment (IAC)
- Fully compartmentalized, bolted & modular design for PCC & MCC
- Non-compartmentalized drive control panels
- Non-compartmentalized APFC panels

Range:

- Power control centres
- Communication capable intelligent power control centres (IPCCs)
- Withdrawable motor control centres with patented Alstan® bus-bar technology
- Energy management PCCs for Plant & Building
- Motor control centres – Fuseless and with Fuse
- Intelligent motor control centres (IMCCs)
- Integrated PMCCs for Ethernet connectivity
- Automatic power factor correction panels
- All variants available with a choice of aluminum and copper for bus-bars
- Degree of ingress protection upto IP 54 for all ratings

SIEPAN 8PU – Range & dimensions at a glance



Brand and Technology nameplates

SIEPAN 8PU LV switchboards manufactured by licensed partners come with brand and technology nameplates affixed to the switchboards qualifying them for top class design innovation from Siemens.



SIEPAN 8PU brand nameplate

The licensed partners for SIEPAN 8PU are authorized to canvas the technology tie-up with Siemens differentiating their offering on quality and reliability.



Technology nameplate

LV switchboard SIEPAN 8PU:

Technical Data

Conformance to standards	IS8623-1 / IEC 61439
Internal Arc Containment	IEC 61641
Seismic withstand	IS 1893
Short circuit withstand (Icw) - main bus	65kA / 1sec / 143kA peak
Short circuit withstand (Icw) - neutral	39kA / 1sec / 82kA peak
Short circuit withstand (Icw) - earth	39kA / 1sec / 82kA peak
Degree of protection (IP)	IP 4X, 5X, X3, X4
Ambient temperature	40° C / 45° C / 50° C
Temperature rise	As per IEC 61439 -2
Seismic conformance test	Zone III & V
Rated insulation voltage	upto 1000V
Rated operational voltage	upto 690V
Rated impulse withstand	8kV
Main busbar rating	upto 5000A
Busbar execution	Interleaved / non-Interleaved
Busbar options	Copper / aluminium
Infeed termination	Cable / bus ways / busduct
Infeed entry	Top / bottom
Cable feeder access	Front / rear*
ACB cubicle	Single tier
Form of separation	upto form 4B
Standard height	2300mm
Standard depth	1120mm / 560mm
Standard colour shade	RAL 7035

*ACB Compartment - Only Rear access

SIEPAN 8PU is totally type tested (TTA) for its design reliability as per IS 8623 - 1 / IEC 439.

Type tests:

1. Verification of temperature rise limits
2. Verification of di-electric properties
3. Verification of short-circuit withstand
4. Verification of continuity of protective circuit
5. Verification of clearances and creepage distance
6. Verification of mechanical operation
7. Verification of degree of protection

Special test

1. Verification of seismic withstand for zone III / V
2. Verification of internal arc containment (IAC)

Routine tests:

1. Inspection of wiring and electrical operation
2. Verification of insulation
3. Verification of protective measures and continuity of protective circuits
4. Verification of insulation resistance



LICENSED PARTNER:
BK POWER TECH
 ENTIRE ELECTRICAL & AUTOMATION SOLUTIONS
 Since 1988

SIEPAN 8PU

An IEC 61439

Design Verified Panel

LV Switchgear Assembly

Switchboards have been patronized by various segments like **Cement, Steel, Refinery, Oil & Gas, Pharma, F&B, Data centres, Hospitals & Hotels, Metro-rail projects** having deployed **more than 1,00,000 LV switchboards** for maximum reliability and performance.

SIEPAN ELITE

An IEC 61439

Design Verified Panel

LV Switchgear Assembly

SIEPAN Elite Design Verified Low Voltage Switchgear Assemblies as per IEC 61439-1 & 2 Edition 2020 caters the need of various **Industrial and Infra Segments like Educational Institutes, Residential Buildings, Toll Plaza, IT Park & Offices, Health Care Centres, Shopping malls, Sports Stadiums, Industrial Buildings.**

Licensed
Partner
For
SIEPAN 8PU
SIEPAN Elite

SIEMENS

Entire
Electrical &
Automation
Solutions

For enquiries of SIEPAN 8PU & SIEPAN ELITE low voltage switchboards write to our Licensed Partner :



Marketing Office

BENGALURU :

N0.12/1,6/5,3rd floor, Siddhaganga Plaza,
kanakapura Road, Raguvanahalli, Bengaluru,
Karnataka - 560062, INDIA.

Mob : +91 99898 72244 / +91 93413 84007

E-mail : info@bkpowertech.com

Manufacturing Location

MYSURU :

Plot No. 242-B, Thandya,
2nd Phase Industrial Area,
Nanjangud Taluk, Mysuru,
Karnataka - 571302, INDIA.

Mob : +91 70224 26444

BK POWER

COIMBATORE :

No.7&8, S.M. Nagar West,
N.G.G.O. Colony,
Coimbatore - 641 022.
Tamil Nadu. INDIA.

Mob : +91 98946 12055

LOCATIONS : BENGALURU | MYSURU | CHENNAI | COIMBATORE | KARUR

www.bkpowertech.com