

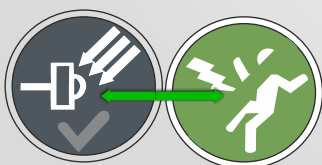
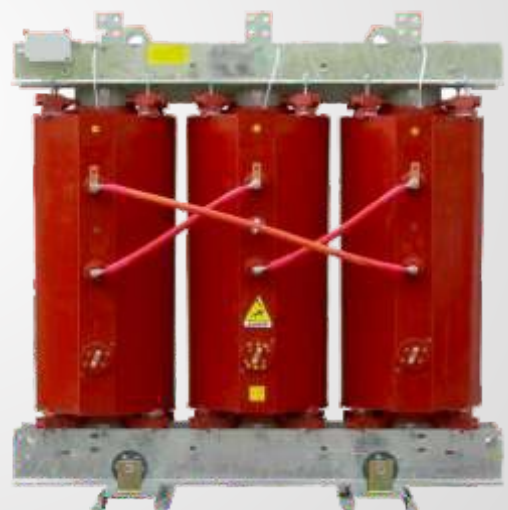
Graycell

Approved
Partner

SI DS
8FB20 CSS

SIEMENS

MSEDCL Approved
Compact Sub-stations
MV Switchgear Panels
Oil & Dry Type Distribution & Power Transformers



Internal Arc Safety



Smoke & Fire Sense



Surveillance



Humidity & Water
Protection

Compact Sub-Station

Graycell Energy LLP is approved partner of Siemens to manufacture compact sub station (CSS – TYPE 8FB20). Under this license partnership Graycell Energy integrates SIEMENS ring main unit (RMU) of rating 12KV to 33KV, 630A, 21KA in 8FB20 compact sub-station. The compact sub-station is fully type tested as per latest 62271-202 and manufactured under high quality standards.

Graycell Energy LLP has a full-fledged manufacturing set up at Khed – Shivapur, Pune and has installed capacity to manufacture more than 100 css per annum.



Key Features

- Fully type tested to IEC62271-202
- Internal arc test design for 21KA-1Sec, Short time withstand 21KA-3Sec.
- Fully Type tested & customized options in 6.6KV/11KV/22KV/33KV upto 2500 KVA with secondary voltage options from 415V upto 800Volts.
- Enclosure Degree Of Protection – IP54 for MV-LV Section, IP23 for Transformer
- Enclosure Class-K10 . Natural & AF Ventilation System
- Designed, Built & Tested CSS to suit every project be it Indoor or Outdoor type
- “Plug & Play “Ready to use at site. No site assemblies required.
- CSS available with Oil , Cast Resin, VPI & Green (Ester Oil) Transformer including OLTC options.
- Pad/Skid Mounted CSS for non-standard site requirement in entire range
- CSS suitable for SF6 insulated Ring Main Unit / VCB/GIS options with Metering for MV Networking
- SCADA Compatible with Smart IoT Enabled CSS & Transformer Health Monitoring System
- Rust, corrosion & weatherproof design suitable for outdoor application.
- Extremely user-friendly design for operation & routine maintenance
- Saves upto 40% premium footprint space over conventional substation design.
- Typical CSS Dimensions (mm) –8FB(123)–(2MVA)–L-3350 , W-2068, H –2300, 8FB (Cooling Design) (1250kva) L-3000 x W-2400–X H-2300 . (For Customization or Higher rating CSS – Please contact us)

SIEMENS 8BK8 SERIES IPAN VCB

Internal Arc Tested And Compliance To IEC 62271 – 100 (OEM Design offer)



TECHNICAL DATA FOR 11 KV & 33 KV VCB PANEL

Rated voltage	36 kV	12kV
Rated frequency	50 Hz	50 Hz
Rated short-duration power-frequency withstand voltage	70 kV	28 kV
Rated lightning impulse withstand voltage	170 kV	75 kV
Rated short-time withstand current,3 s	Up to 31.5kA	Upto 40 kA
Rated short-circuit breaking current	up to 31.5kA	Upto 40 kA
Rated normal current of Busbar	up to 3150A	Upto 3150A
Dimensions (standard)		
Width (mm)	1000	600
Height (mm)	2550	2100
Depth (mm)	2620	1350

Various CSS Installations and Applications



AUTHORISED DEALER FOR MEGAWIN

Approved in MSDDL, CIDCO and approved almost all major Electrical Govt Utilities

- 11 kv, 22 kv, 33 kv Air insulated VCB panels .
- 11 kv, 22 kv and 33 kv Gas insulated (GIS) panels
- 11 kv Ring main units



COMPACT BUSBAR DISTRIBUTION SYSTEMS



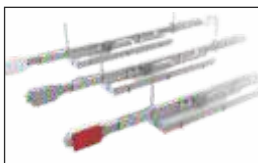
ELINEKX 400A...6300A

The EAE E-Line KX Series compact busbar system is designed for use in projects requiring high power distribution, and is rated from 400A to 6300A using the latest technology.



ELINEMV 950A...5700A

The E-Line MV Series Busbar Systems, as the newest addition to the busbar product range, is offered with 12 kV and 24 kV variants. It offers safe and efficient power transmission. MV CR is manufactured in a single body with Al or Cu conductors embedded in DURACOMP insulation which is a composite material of epoxy and pure silicon.



ELINEKD 160A...1000A

The E-Line DL range of busbar systems are used in buildings on lighting and socket circuits where 25A, 32A or 40A Three-phase or Single-phase power is required. 10-16A plugs or 25A tap-off boxes with a cartridge fuse or miniature circuit breaker are specially designed to supply lighting and power circuits as per the specifications.

Our group associate company offer range :-



- LV TTA Switchboards complying to IEC61439 & IEC61641 (INTERNAL ARC) –
- Authorized System house of LARSEN & TOUBRO and Schneider Electric
- ASTA certified IEC61439 Panels with ABB

Graycell

Graycell power solutions is one of the leading manufacturer of distribution class oil / dry type transformers. Graycell has state of art manufacturing plant equipped with latest testing equipments and machinery.

Manufacturing Range -

- 25 KVA to 2500 KVA Oil Filled Distribution Transformers up to 33KV Class.
- Hermetically Sealed & Non Sealed Transformers.
- Capability to manufacture transformers for various Applications like – Lightning / Isolation / Earthing, Transformers.
- Multi Winding Transformers.

Natural Ester Oil Filled Transformers

- Eco – Friendly i.e. Bio – Degradable Oil.
- Fire Safety as Flash Point above 300 deg Cel. (Less Flammable oil).
- Continuous Overloading up to 20% of rated capacity.
- Temperature Rise limit is High as per IS which makes transformer compact.
- Low maintenance to oil & subsequently to transformer.
- Life enhancement of transformer.

Dry Type Distribution Transformers

- Up to 3000KVA, 33KV Class



Our Clientele



Graycell Energy LLP

Office : A2/1, Seema Garden, Paud Road, Pune, MH, India - 411038.
 Factory : Shed No. 16, Arham Industrial Hub, Gaud Dara Road,
 Khed Shivapur, Pune, MH, India - 412205
 Email ID : responsegraycells@gmail.com

Shrikar Paithankar

Director

+91 9930124365 | graycellpune@gmail.com

Ashish Korde

Director

+91 9561226593 | graycellspune@gmail.com