



Smart LBS Low Cost Sectionalizers

right solution for 11 to 36 KV
networks with multiple options
of control

For a long time there had been a strong need in the market for low cost and effective sectionalizing, especially for semi-urban and rural feeders.



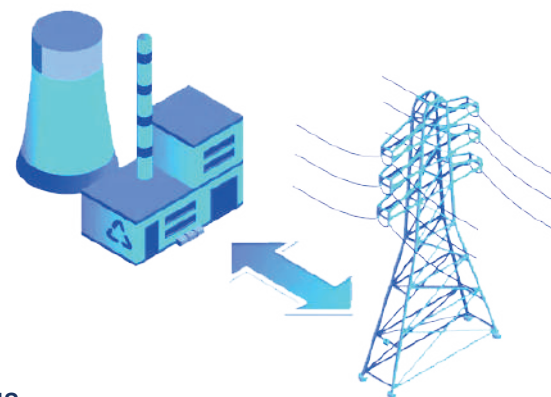
Long overhead lines with too many branches and limited load, it becomes commercially unviable to install expensive solutions.

SmartOn SLBS is the right solution for 11 to 36 KV networks with multiple options of control. With strong and efficient mechanical construction with comprehensive suite of automation levels, SLBS can fit every budget.

Technical collaboration with EMT, S. Korea and matchless build quality with ease of operation & maintenance, SLBS can effectively bring down SAIFI & SAIDI, giving satisfied consumers and recover unserved revenue

■ High performance arc quenching

The design ORC unit, capable of handling the mobility caused by ageing. Provides the reliable circuit interruption performance without external arc of flame and completely prevents the switch from the arc caused by switching the load currents 400/ 630A at rated voltage.



■ Installation

- Easy installation with supplied brackets
- Suitable for Single / double pole / Structure mounting
- Industrial Grade Plug n Play control cabling
- Can be supplied with customized accessories – bird gaurds, PG Clamps, Covered Conductor tails etc.
- Specialized Earth-less arching type Las (on request) for direct or indirect lightning strikes

■ Ratings

- **Voltage:** 12 / 25 / 36 KV
- **Current In:** 400 / 630 A
- **Breaking Current:** 400/630 A
- **With stand:** 12.5 / 25 kA, 1s
- **BIL:** 110/125/170 KV
- **Altitude:** up to 3000m
- **Class:** M1, M2



■ Features

- **Insulation:** Polymer / Porcelain
- **Operation:** Manual / Motorized / Remote / Auto-sectionalizing

■ Protection & Control

- Advanced protection functions with accurate fault detection
- Coordination with upstream Reclosers for effective sectionalizing
- Local Mechanical or Electrical Control
- Remote Control from SCADA / Mobile

■ Telemetry

- Remote communications supporting all industry protocols
 - IEC 101 / 104
 - DNP 3.0
 - Modbus
- Ready Integration with Sharika's Dnet Cloud Platform
- Cyber Secured, VPN based remote connectivity through X33TM routing solutions (Powered by niseva)

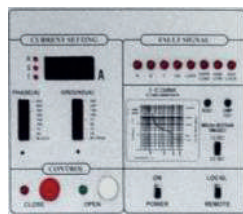
Technical Data

Item	Unit	11 KV	22 KV	33 KV
Rated Voltage	kV	12	25	35
Maximum Rated Voltage	kV	15	27	40.5
Frequency	Hz	50/60	50/60	50/60
Continuous Current	A	400/630	400/630	400/630
Rated Breaking Current	A	400/630	400/630	400/630
Short-Time Withstand Current(1sec) kA (peak)		25/32.5	25/32.5	25/32.5
Flash Over Voltage(1min) Dry/Wet	kV	50/40	60/50	80/70
Impulse Withstand Voltage(BIL)	kV	100/110	125/150	170/200
Support Insulator		Polymer, or Porcelain		
Operation		Manual ,or Motorized		
Apply Standard		IEC 60265-1 / IEC60129 / ANSI 37.41		
Current Monitoring		CT x 3 ea Equipped		
Automatic Sectionalizer		With Sectionalising Controller		
Scada Operation	Option	DNP3.0, IEC101, or IEC104		
Smart Function	Option	Mobile Phone Operation and Monitoring		
IoT / Cloud platform (MQTT) support	Option	Remote Monitoring and Control on Cloud		
Retrofittable		Manual LBS >> Smart LBS on site		



Basic LBS Controller

Only Electrical Operations
Remote and Local operation
Integration with SCADA over IEC 101/ 104



Basic Sectionalizing Controller

Remote and Local operation
Current & Time based Coordination with upstream Recloser
CB Integration with SCADA over IEC 101/ 104



Advanced Sectionalizing Controller

Remote and Local operation
Current, Time & Voltage based Coordination with upstream Recloser
CB Integration with SCADA over IEC 101/ 104