

Product News

- **Need** the ability to break loads, split loops, and drop lines on your transmission system at points outside of a substation?
- **Need** the ability to perform these functions remotely rather than send someone to the transmission points?

Then you **need** a Southern States LLS-II Load & Line Switcher and VM-1SE Motor Operator.



145 kV LLS-II-2000 Mounted On Steel Unitizing Frame And Driven By A VM-1SE.

Southern States LLS-II-2000 or LLS-II-3000 Load & Line Switcher furnished with our VM-1SE Stored Energy Motor Operator is ideally suited for remote automated transmission sectionalizing. A steel unitizing frame for mounting to transmission poles can be supplied by Southern States to complete the package offering if desired.

Design Characteristics	LLS-II-2000		LLS-II-3000	
	Maximum Voltage	72.5 kV -169 kV	242 kV	72.5 kV -169 kV
Load Breaking Capability	2000 A	2000 A	3000 A	2000 A
Line Dropping Capability	300 A	200 A	300 A	200 A
Loop Splitting Capability	2000 A	2000 A	3000 A	3000 A
Nominal Operating Pressure	55 psig at 20°C for 72.5 kV, 65 psig at 20°C for 121 kV-169 kV	65 psig at 20°C	55 psig at 20°C for 72.5 kV, 65 psig at 20°C for 121 kV-169 kV	65 psig at 20°C
Full Load Operations	2000	2000	2000	2000

Key Advantages

VM-1SE Stored Energy Motor Operator

- ❑ **24 VDC Battery Supply:** Achieved with (2) 12 VDC batteries stored in an integral battery compartment located at the bottom of the motor operator cabinet.
- ❑ **AC To DC Trickle Charger:** Converts customer supplied 120 VAC to 240 VAC input into 24 VDC output to trickle charge the batteries.
- ❑ **Stored Operation:** Three operations can be performed prior to recharging the batteries.

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