

Egide

On-board vacuum circuit breaker



Introduction to Egide

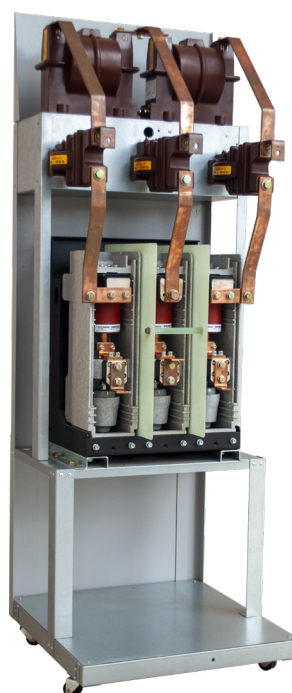
With over 100 years of experience in switching, protection, and automation solutions in the power distribution industry, Lucy Electric is introducing its new on-board vacuum circuit breaker solution - Egide. Egide 1250 switching modules feature HGV vacuum interrupted medium voltage circuit breakers, made by Hyundai and designed and tested according to IEC 62271-100 and NBR 14039.

Egide panels are compact and have a high electrical capacity due to their optimal design. Egide's high performance allows excellent isolation and interruption of short circuit currents. The panels are maintenance-free and an excellent environmentally-friendly alternative.

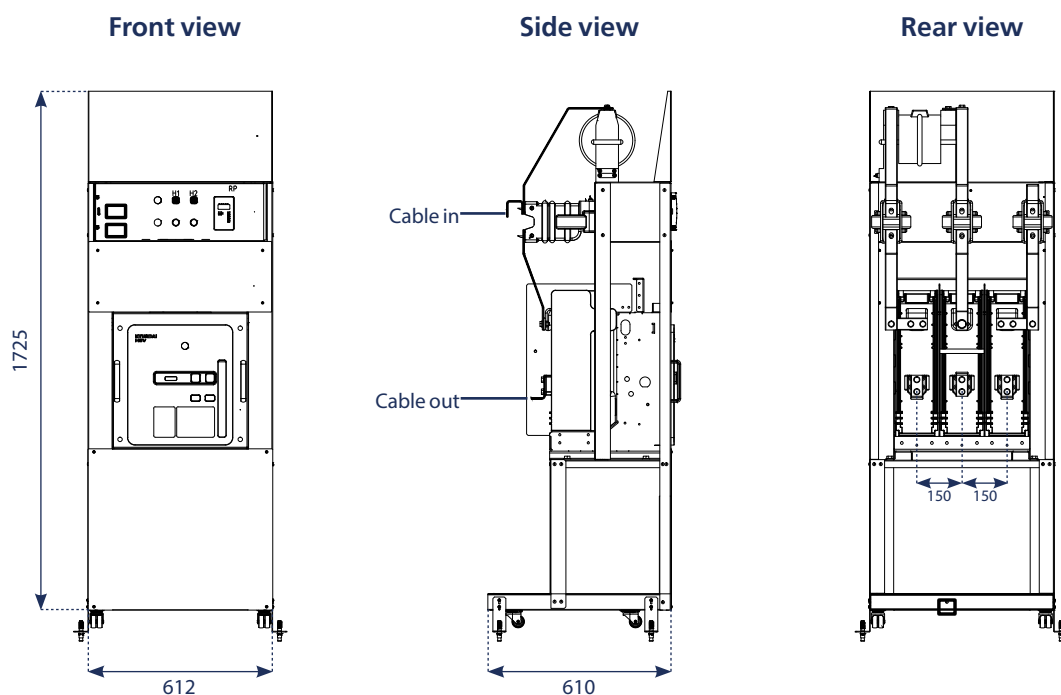
Its M2 and E2 durability classes, combined with its small dimensions, allow the use of the panels in medium voltage substations.

Characteristics

- Protection relay available functions: 26 / 27 / 32R / 37 / 40 / 46 / 47 / 49 / 50 / 51 / 50N / 51N / 55 / 59 / 62BF / 66 / 67N / 74 / 81 / 86
- Current transformers available
- Voltage transformers available
- Uninterrupted power supply
- Capacitor trip
- Mechanical interlocking



Voltage rating		17.5 kV
Rated current	A	up to 1250
Frequency	Hz	60
Rated short circuit breaking current	kA	25
Rated short circuit making current	kA pk	65
Rated short time withstand current	kA	25 kA / 4 s
Rated power frequency withstand voltage (1 min)	kV	38
Rated lightning impulse withstand voltage (1,2 x 50 μ s)	kV	95
Standard operating duty		O-0.3s-CO-15s-CO
Rated circuit opening time	ms	≤ 40
Rated breaking time	cycles	3
Rated closing time	ms	≤ 65
Closing operation method		Electric motion spring system
Auxiliary contacts		10 NO / 10 NC
Control power voltage		100~130 / 200~250 V AC/DC
Weight		120 kg (with CTs and VTs)



Note: All dimensions are in milimetres

Egide configurator (choose one option per group)		
<input type="checkbox"/>	R0	Protection relay not required
<input type="checkbox"/>	R1	Pextron URPE6104 protection relay, with capacitive power supply and without capacitor trip
<input type="checkbox"/>	R2	Pextron URPE7104T protection relay, with capacitive power supply and capacitor trip
<input type="checkbox"/>	R3	Thytronic NA016 protection relay, without capacitive power supply or capacitor trip
<input type="checkbox"/>	R4	Thytronic NM20 protection relay
<input type="checkbox"/>	K0	Circuit breaker with Kirk interlocking not required
<input type="checkbox"/>	K1	Circuit breaker with Kirk interlocking required
<input type="checkbox"/>	C0	Capacitor trip not required
<input type="checkbox"/>	C1	Capacitor trip required
<input type="checkbox"/>	TC025	Current transformer, single ratio 25/5 A
<input type="checkbox"/>	TC050	Current transformer, single ratio 50/ 5
<input type="checkbox"/>	TC	Other current transformer, single ratio ____ / 5 A
<input type="checkbox"/>	TP0	Voltage transformer not required
<input type="checkbox"/>	TP1	1 x VT 500 VA
<input type="checkbox"/>	TP2	2 x VT 500 VA
<input type="checkbox"/>	NB0	Uninterrupted power supply not required
<input type="checkbox"/>	NB1	Uninterrupted power supply required (600 VA)
<input type="checkbox"/>	E1	Protection and flagging on the panel
<input type="checkbox"/>	E2	Protection and flagging on the panel + on/off command
<input type="checkbox"/>	E3	Protection and flagging on the panel + on/off command + automatic spring charge
<input type="checkbox"/>	T1	Auxiliary power supply 100~130 V AC/DC
<input type="checkbox"/>	T2	Auxiliary power supply 200~250 V AC/DC
Comments:		

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