



IEC METAL ENCLOSED AIR INSULATED MEDIUM VOLTAGE SWITCHGEAR

TGOOD

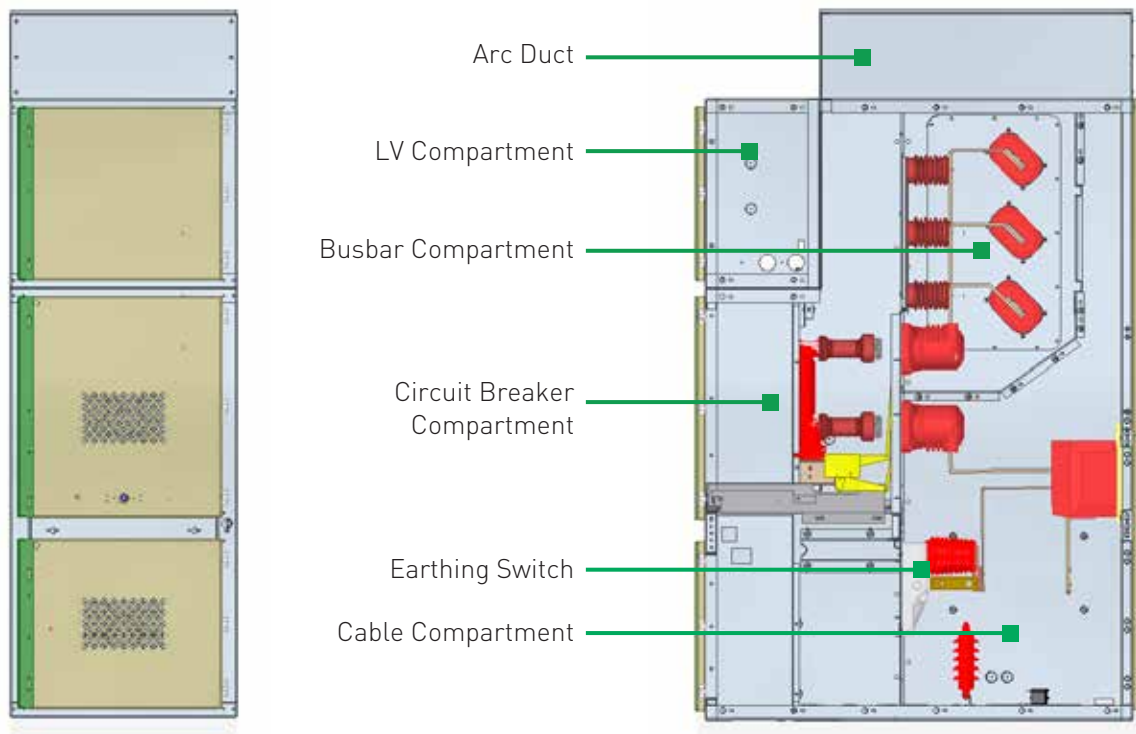
Energy, Fast!

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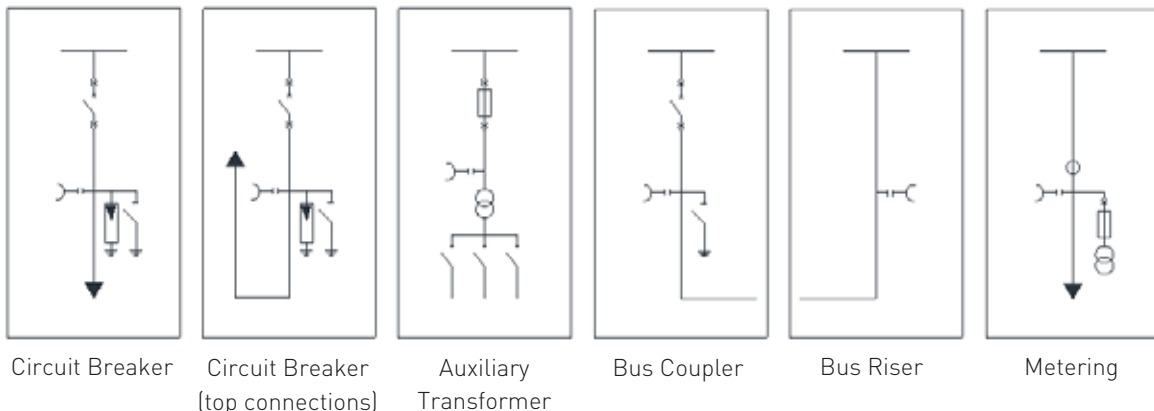
TGOOD MEDIUM VOLTAGE SWITCHGEAR

- > ENERGY FAST— Ex-works in less than 8 weeks from order placement
- > QUALITY—ISO9001 manufacturing in world class production facilities
- > SAFETY —Type tested at KEMA according to IEC 62271-200
- > FLEXIBILITY - Wide range of configurations with no restrictions on the use of other OEM components

GENERAL ARRANGEMENT



TYPICAL UNITS



TECHNICAL DATA - TAP 17.5kV

SWITCHGEAR		1250A	3150A
Internal Arc Classification		AFLR	AFLR
Rated Voltage	kV	17.5	17.5
Rated Frequency	Hz	50/60	50/60
Rated feeder current	A	1250	3150
Lighting impulse withstand voltage	kV	95	95
Rated short-circuit current	kA	31.5	31.5
Duration of short-circuit	s	3	3
Peak withstand current	kA	82	82
Loss of Service Continuity		LSC2B	LSC2B
Partition Class		PM	PM
Dimensions (H x W x D)		2300* x 650/800 x 1560	2300* x 1000 x 1560

* Dimension includes arc duct

CIRCUIT BREAKER		1250A	3150A
Rated Voltage	kV	17.5	17.5
Normal Current	A	1250	3150
Number of Poles		3	3
Frequency	Hz	50/60	50/60
Operating Sequence		0-0.3s-CO-3min-CO	0-0.3s-CO-3min-CO
Short-time withstand current	kA	31.5	31.5
Peak withstand current	kA	82	82
Duration of short-circuit	s	3	3
Short-circuit making current	kA	82	82
Short-circuit breaking current	kA	31.5	31.5
DC time constant of rated short-circuit current	ms	45	45
Line charging breaking current	A	10	10
Cable charging breaking current	A	31.5	31.5
Class		S1, E2 (list 3), C2, M2	S1, E2 (list 3), C2, M2

TGOOD PORTFOLIO

SWITCHGEAR E-HOUSE & KIOSK

TGOOD prefabricated E-House & Kiosk products have been put to work in the world's harshest outdoor operating environments. As one of the highest volume kiosk manufacturer's in the industry we deliver thousands of units annually to meet the specific demands of customers.



Kiosk Substation

PRE-FABRICATED SUBSTATIONS

Prefabricated substation components are factory pre-assembled and tested to reduce installation, construction and commissioning times by an average of 50%. TGOOD's modular high and medium-voltage components are manufactured in-house to substantially reduce manufacturing and assembly times.



Skid Substation

DISTRIBUTION TRANSFORMERS

TGOOD offers a full suite of dry type, oil filled, and amorphous alloy core transformers as part of our prefabricated substation solutions. TGOOD transformers utilise cutting edge technology to reduce energy consumption and eliminate routine maintenance.



Distribution Transformers

HYBRID GAS INSULATED SWITCHGEAR

TGOOD HGIS (Hybrid Gas Insulated Switchgear) technology combines high voltage SF6 gas insulated breakers with air insulated busbar modules for greater affordability. HGIS is a standalone substation component suitable for outdoor use. It is quick and easy to install, has a smaller footprint than the air-insulated equivalent, and costs less than fully gas insulated system.



THP145 HGIS

GAS INSULATED SWITCHGEAR

TGOOD HV GIS utilises maintenance-free SF6 gas insulated breakers for a compact and versatile Switchgear solution in challenging, space-constrained projects. Our integrated, modular GIS provides a high level of flexibility and personal safety.



TGP145 GIS

145KV MODULAR SUBSTATION

The TGOOD 145kV Compact GIS Substations are an ideal solution for crowded cities and congested industrial zones. Employing sealed GIS modules up to 145kV, urban substations provide exceptionally high levels of personal and public safety. Attractive, compact designs along with low audible noise and electric field emissions, our urban substations are the optimal solution for densely populated areas.



145kV Modular Substation