

# GV3N

36kV 630A...2500A UP TO 25/31.5kA  
GAS INSULATED SWITCHGEAR



## Minimal maintenance, compact & modular SF<sub>6</sub> insulated distribution switchgear

Introducing TAMCO GV3N modular SF<sub>6</sub> distribution switchgear, incorporating time tested vacuum interrupter based circuit breaker. TAMCO is manufacturing and selling GIS products since early 90s.

GV3N has been designed, keeping in mind the requirements of higher operational safety with minimal maintenance and sealed for life system. GV3N's modular design provides a perfect platform for building reliable distribution network in compact space.

With a worldwide after sales and service network, TAMCO ensures that the experts nearest to customer region are available for customer support at all time.

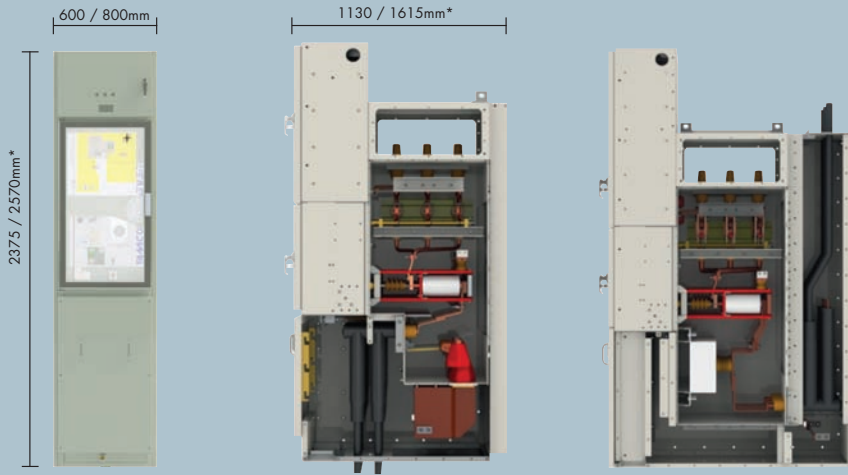
The switchgear specialist

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**TAMCO**

FRONT TERMINATION

REAR TERMINATION



Type-tested according to IEC 62271-100, IEC 6227-200 & IEC 62271-102

Loss of Service Continuity : LSC2B  
 Partition Class : PM  
 Internal Arc Classification : IAC AFLR 25/31.5kA –1s  
 Ingress Protection Class : IP4X

\* Height and Depth may vary on different configurations.

Electrical Characteristics		
Rated Voltage	kV	36
Rated Current	A	up to 2500A
Rated Frequency	Hz	50 / 60
Rated Short Time Current	kA/3sec	25 / 31.5
Rated s.c. Making Current	kAp	63 / 82
Rated s.c. Sym. Breaking Cur.	kA	25 / 31.5
Rated Impulse Voltage (1.2/50)	kVp	170
Rated a.c. 1 min pf Voltage	kV rms	70
Width	mm	600 / 800
Depth	mm	1130*
Height	mm	2375*

DESIGN FOR SAFETY

TAMCO regards safety as the most important specification of switchgear design and operation and the following proven safety features have been built into type GV3N.

- No exposure to live parts
- Operational safety due to incorporation of PERMISSIVE interlock, PROOF OF EARTH, POINT OF ISOLATION etc.
- Comprehensive pad - locking facilities
- Mimic diagrams and position indicators to guide the operators
- Arc fault tested at 25/31.5kA for 1 sec

\* Height and Depth may vary on different configurations.

PRODUCT VARIANTS

- Circuit breaker incomer and outgoing panel
- Bus sectioniser
- Bus Riser
- Metering panels
- Bus VT
- Line VT
- Surge arrester
- Cable entry from top/bottom, front/rear

FEATURES

- Most compact foot print with rigid structure
- VCB with SF<sub>6</sub> gas insulation Cable & Busbar are in air with touch proof connections
- No SF<sub>6</sub> handling at side
- Safe, positive and fool proof interlocks
- Cable door & VCB interlocked
- Pad-lockable VCB & 3-position motorised isolator
- Fully modular design with extension on both sides
- SF<sub>6</sub> content approx. 4.5Kg
- Front cable entry & no rear clearance required
- Optional top, rear cable entry available
- Option for busbar in SF<sub>6</sub> gas

CUSTOMER BENEFITS

- Reduces cubicle space by >35%
- Suitable for highly polluted environment
- Safe operation behind close door
- Ease of installation sealed for life
- Peace of mind with almost zero maintenance
- Productivity maximisation
- No fire risk



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