

TIEPCO – PAD MOUNTED SWITCHGEAR

The TIEPCO Pad Mounted Switchgear conforms to the latest IEC 602271-200 standard and is designed and manufactured utilizing the in house expertise and state of the art technology, fully taking into account the specific requirement of utility for its infrastructure projects of industrial distribution network.

Characteristics:

- Metal-enclosed, air-insulated switchgear.
- Suitable for medium voltage distribution.
- Guaranteed arc-proof units.
- Tested in accordance with the main international Standards.
- Complete with mechanical safety interlocks.
- Available in 17.5kV and 36KV ratings.
- Configured with ring switches and tap off switch.
- Main busbar rating up to 630A and short time rating up to 25KA.
- Outdoor installation.



Technical Specifications:

Rated voltage	17.5kv	36kv
Operating voltage	14.4kv	34.5kv
Impulse withstand voltage	95kv	170kv
Power frequency withstand voltage	38kv	70kv
Rated frequency	60hz	
Short time current	25ka /1sec	
Peak rated current	62.5ka	

Busbar current	Up to 630a
Internal protection degree	Ip3x
Outdoor enclosure protection degree	Ip54
Accessibility	Front
Busbar treatment	Bare copper
Door & front of switcgear painting	Ral 7033
Outdoor enclosure color finish	Munsell green
Switchgear structure	Galvanized
Cable inputs	Bottom
Cable outputs	Bottom
Development	Single busbar system
SERVICE CONDITION:	
Altitude	Upto 1000m above mean sea level
Ambient temperature	From -5°C to +40°C
Humidity	Average value over 24h < 95%
Environment	Normal unpolluted
APPLICABLE STANDARD:	IEC 62271-102, 103 & RC SPECS. 16409