

TIEPCO – LV VFDs

The TIEPCO LV VFDs conform to the latest IEC 60439-1 standard and is designed and manufactured utilizing the in house expertise and state of the art technology, fully taking into account the present and future power system requirement of client.

TIEPCO VFDs have these salient features:

- Is up to 690VAC
- Main busbar rating up to 4000A with density of 1.5Amp/mm² or as per customer needs
- Up to 100KA, indoor or outdoor installation
- Up to Form 3 for customer safety requirement
- High reliability as designed to the excessive temperature of the region
- Easy handling as control switches and monitoring equipment are installed at a height appropriate for user
- Flexibility of design, as cable entry can be from top or bottom

Technical Specifications:



Standard	IEC-60439-1
Rated insulation voltage	1000VAC
Rated voltage	690VAC
Altitude	Up to 1000m ASL
Installation	Indoor Outdoor
Environment	Ambient temperature (Outdoor) : -5°C to 55 °C Monthly average : 40 °C Yearly average : 30 °C

	Ambient (indoor) : 40 °C
System	3Ø,4W+G(Neutral bus=half capacity of phase bus, Ground bus=max .50x10)
Rated Phase Busbar current	400A up to 4000A (Density of 1.5Amp/mm ²) bare
Form	1 ... 3
Cable entry	Top/Bottom
Auxiliary Control circuits	220VAC, internal(control transformer/direct to busbar)
Equipment mounting	Fixed / by truck(chassis)
Protection degree	IP 3X IP54(on request)
Connection Access	Rear / Front/Top/Bottom
Painting	RAL 7032/ RAL 7033/ RAL 7038
Future Extension	Yes (if require)
Power connections	Direct on apparatus
Busbar identification	RYB phase marking
Labeling	Phenolic (with white background, black engraved letter) riveted