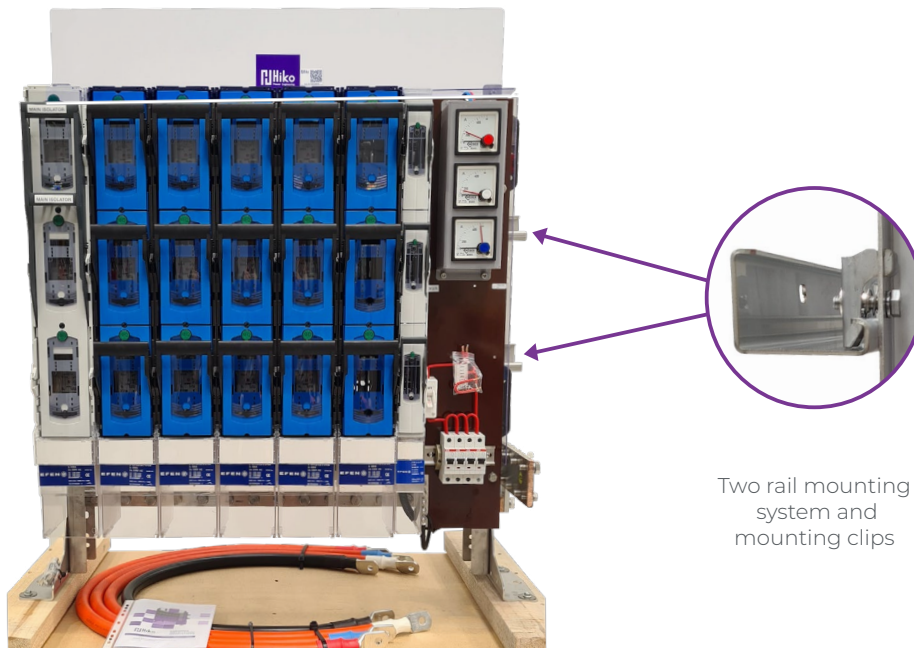


Universal Tank Mount Frame 100kVA to 750kVA

Designed to be installed safely in less than 30 minutes



Two rail mounting system and mounting clips

Hiko's Universal Tank Mount Frame (UTMF) builds on its extensive range of low voltage switchgear frames for transformers designed to be installed safely in less than 30 minutes.

Key to installing the frame and its universal fit is the two-rail mounting system devised by the Hiko engineering team. These stainless steel rails are simply bolted to the mounting bosses on the transformer and the frame is then lifted onto the rails where the open clamps on the frame make positioning easy. The frame is then secured in place with a long nut driver tightening the spring-loaded clamp bolts.

Because of the tank mounting, there is no need to drill the concrete pad. This speeds up installation, but it can be bolted to the concrete if required.

The earth bar is on the right-hand side close to the neutral bushing and earth stud, making it easier to connect the earth. This frees up access to the neutral bar for testing and results in a quicker install.

The frame incorporates advanced safety features which are embedded in Hiko designs to improve handling and access for installers and operators such as handles and lifting eyes for ease of maneuverability

Safe operating performance and long-term reliability are assured by our design methodology which includes mechanical, electrical, and thermal modelling and testing before a design is released to production and is in line with the requirements of AS/NZS 61439.1 and AS/NZS 61439.5.

The frame is available for PEN networks and options for separate Earth / Neutral connections.

The disconnects keep live terminals and fuses fully shrouded from touch at all times and can be pre-installed with internal CTs and a Gridkey LV monitoring device.

The new design also provides clearer access to the drain tap for changing the oil as and when maintenance is required.

For LV frames and single supply over 500kVA circuit breaker options are available for added protection and are specified by each network.

Features

Feature
Bushing Protection
Access to Voltage tap and Drain tap
Lifting eyes and handles
Side earth connection close to Neutral and Earth terminals
Phase, Neutral and Earth cables provided
Adjustable and removable feet
No need to drill the concrete pad, but may be pad mounted if desired
Engineered from long life-span materials
Online installation and user manual, accessible by QR code



Transformers

Make	Model	kVA
Etel	Minipad	100 - 750
Hitachi / ABB	Mini Sub	200 - 750
Tyree	Cubicle Type	300 - 500

Materials

Component	Material
Frames	Stainless Steel 304
Fixings	Stainless Steel 304
Protective Covers	Polycarbonate (transparent)
Busbar heat-shrink	Polyolefin

Standard Configurations

Rating (kVA)	Busbar Size (mm)	N/E bar size (mm)	Bushing cable cross section (mm ²)	Incoming isolator (A)
100 - 300	30 x 10	30 x 10	185	630
500	50 x 10	30 x 10**	2 x 150	1000
750*	80 x 10	50 x 10**	2 x 240	1250

* Frame without circuit breakers

** Can be provided same size as busbars

Standard Dimensions

Frame Width (mm)	Service panel width (mm)	Max. No. of Fuse Switch Disconnects		Height (mm)
		With service panel	Without service panel	
800	100	6	8	
900	200	7	9	

Options

- Fits DIN-style switchgear
- Street lighting and Ripple Relay control
- MDI's / metering / LV monitoring
- CTs fitted to the disconnects
- Other switchgear or control gear
- Auxiliary supplies
- Direct bus connection with covers
- PEN and separate Earth Neutral connections
- Customisation of the design to suit network requirements

Other literature available on request

Test reports, drawings, installation instructions



Scan this QR code to watch the Tank Mount video animation.