



Traction

Neeltran's Product Offering for Traction Application

Neeltran's Product Offering for Traction Application include traction rectifier, traction supply, traction transformers sold separately or integrated substation style.

At Neeltran, we design and manufacture our own transformers and rectifiers for traction applications. This gives our designers the experience to design the highest quality units available and allows for combined line up testing of the complete dc system.

Neeltran possesses multi-industry, engineering, and manufacturing experience that helps us to be flexible and design products that meet your specific technical and safety requirements.

Thanks to this capability, Neeltran is able to provide the complete substation engineered as one piece of any kind for application, tram, subway, train and monorail.

Product Details:

- Medium voltage cell
- Oil cooled and dry type transformer,
- Transformer mounted in the same cabinet as the rectifier
- DC feeder and distribution panel
- Smoothing reactor
- Negative Return Reactor
- High Speed Circuit Breaker
- Switches
- Negative protection
- Complete substation



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General Specifications

Three-phase supply voltage main by customer	V	up to 69000
Maximum power	kVA	up to 7000
Three phase voltage on the secondary	V	up to 2700
Frequency	Hz	50 / 60
Product Ranges not limited to		up to Class VI
DC Current	A	up to 6000
DC Voltage	V	up to 3000
Rectifier Connection	ANSI - IEC	Bridge
Pulses		6 / 12 and more
Control card type		Digital - Analog
Metering		Shunt
Transformer Cooling		Oil or Air cooled
Transformer Manufacturer		Neeltran
Transformer Oil Type		Mineral / FR3 / Silicon
Temp class		220°C
Tap changer		Off Load Tap Changer
Rectifier Cooling		Air, Forced Air
Rectifier Enclosure Type		Indoor or Outdoor
Rectifier Manufacturer		Neeltran
Rectifier power section material		Aluminum Heatsink
Rectifying elements		Diode, Thyristor
Redundancy		N+X
Line Up Testing Available		Combined Test at Neeltran Factory

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