

OEM, System Integrators

Transformer Rectifier Systems For O.E.M or System Integrators

Added Benefits of Power Electronic Systems Supplied by Neeltran - Robust and Reliable Power to run your 24/7 processes.

At Neeltran, we are uniquely positioned because we are one of the few companies in the world that designs and manufactures its own rectifier-transformers and rectifiers in the same facility under one management team. This unique capability allows for combined Full Current and Full Voltage factory testing of the transformer and rectifier in their actual configuration prior to shipment.

An experienced client requires combined testing to eliminate integration problems at the site and to assure the shortest commissioning time. This results in significant cost savings and produces the highest quality units.

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.

Markets served: All O.E.M and System Integrators that require custom high end product.

Product range: 300 A to 60 kA, up to 3 kA chopper

PRODUCT DETAILS:

- Latest safety features
- Design to all types of environments
- Remote monitoring via PLC modem
- State-of-the-art Neeltran control boards with Microprocessor based controller available All types of PLC's available for ease of interface to customer systems Semiconductor Plasma Arc protection available
- Diode units available
- On Load Tap Changer available, in all cases including NLTC tap changer will have its own separate oil supply
- EMF, RFI and Magnetic studies available
- FEM analysis available
- System coordination study available Harmonic studies available

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General Specifications

Three-phase supply voltage main by customer	V	0 to 690
Maximum power	kVA	0 to 100
Three phase voltage on the secondary	V	0 to 150000
Frequency	Hz	50 - 60
NLTC or OLTC		NLTC
DC Current	mA	0 to 100
DC Voltage	V	0 to 150000
Rectifier Connection	ANSI - IEC	
Pulses		3-6
Control card type		Not applicable
Accuracy of the constant current control system		Not applicable
Transformer Cooling		ONAN
Transformer Manufacturer		Neeltran
Transformer Oil Type		Mineral, FR3, Silicon
Temp class		105°C
Tap changer		NLTC
Rectifier Cooling		Oil
Rectifier Enclosure Type		Same as transformer
Rectifier Manufacturer		Neeltran
Rectifier power section material		Aluminum Heatsink
Rectifying elements		Diode
Redundancy		Not Applicable
Line Up Testing Available		Yes
Control card type		Not applicable
Accuracy of the constant current control system		Not applicable

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