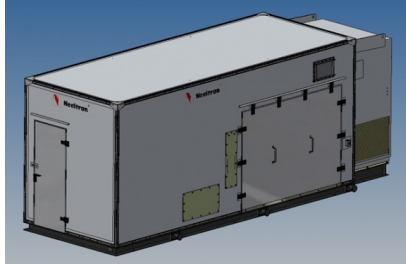


Hydrogen DC Power Supply



DC Power Supply for Hydrogen Production

Neeltran dc rectifiers are custom designed to meet your hydrogen needs. Whether an indoor or outdoor solution, an oil or water cooled transformer, a compact or walk in rectifier (E-House) we have the ability to meet all of your specifications. Our team builds / designs transformers and rectifiers in its Connecticut facility to provide you a dc power system solution that exceeds your requirements.

Our rectifiers can power Green Hydrogen electrolyser production that uses Proton Exchange Membrane (PEM) technology. Typical hydrogen applications are Fuel, Energy Storage, Energy Generation, and Industrial hydrogen.

Value to the Customer -

Reduced land footprint, ease of installation and lower install cost, no potential for environmental issues in many cases.

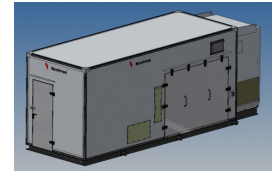
Range size from 1MW to 100 MW for electrochemical rectifiers.

Combined **Full Current and Full Voltage** factory testing of the transformer and rectifier *in their actual configuration prior to shipment means quick start ups and improved quality.*

DETALLES DEL PRODUCTO:

- Latest safety features
- Design to all types of environments
- Remote monitoring via PLC modem
- State-of-the-art Neeltran control boards with Micro-processor-based controller available
- All types of PLC's available for ease of interface to customers systems
- SCR
- On Load Tap Changer available, in all cases including NLTC tap changer will have its own separate oil supply
- Multiple DC current measurement types available
- EMF, RFI and Magnetic studies available
- FEM analysis available System coordination study available
- Harmonic studies available
- Complete ANSI and/or IEC testing available
- E House style available
- Water cooled power supply

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Especificaciones Generales

Fuente principal de voltaje trifásica en la primaria	V_{ac}	up to 69000
Máxima potencia	kVA	hasta 65000
Frecuencia	Hz	50 / 60
NLTC u OLTC		No Carga y de cambiadores de tomas en carga
Corriente continua	A_{dc}	up to 130000 (Typical units 1MW to 30MW per set)
Voltaje de corriente continua	V_{dc}	hasta 1500
Conexión del rectificador		Puente o Estrella
Pulsos		6 / 12 / 18 / 24 / 36 y más
Tipo de tarjeta de control		Digital o analógico, cableado o Opto.
Exactitud del Sistema de control de corriente constante		±0.5%
Enfriamiento del transformador		Oil to Water / Oil to Air / Water to Water / Water to Air
Fabricante del transformador		Neeltran
Tipo de aceite del transformador		Mineral / FR3 / Silicon / Water
Medición		Derivación / LEM / Primario CT
PLC		Allen Bradley o Siemens, otros disponibles. Dial de módem o módem celular para el diagnóstico
Enfriamiento del rectificador		Deionized Water to Water / Deionized Water to Air
Tipo de gabinete del rectificador		Compacto / Semi / Walk in
Fabricante del rectificador		Neeltran
Material de la sección eléctrica del rectificador		Aluminio o cobre
Elementos de rectificación		Thyristors
Redundancia		N+X
Disponible línea de prueba		Prueba combinada en Neeltran fábrica

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