



## The 800kV HVDC Smoothing Reactor Is Commercially Available Now

Nov. 30, 2008. The first 800kV HVDC 4000A 75mH smoothing reactor product line, developed independently and owned exclusively by BPEG Reactors, has been certified by a technical team in Beijing. The certification marks the first commercially available 800kV HVDC smoothing reactor to the world.

BPEG will deliver 29 units of the 800kV HVDC smoothing reactors in 2009 and early 2010.



### Specification:

- Device-to-ground BIL : 1950kV
- Wet switching impulse withstanding voltage: 1600kV
- Wet DC Withstanding Voltage : 1200kv
- Lighting impulse level of terminal-to-terminal: 1260kv
- Height of reactor : 64.6 feet
- Largest diameter of voltage grading ring is 20 feet
- weight of coil ( including sound enclosure): 50 tons
- Total weight: 75 tons
- Devices are supported by 12 slant poles of composite solid insulators
- Seismic level can reach  $2\text{m/s}^2$  horizontal acceleration

As the biggest air core reactor manufacture in the world, BPEG Reactors continues to expand its manufacturing capacity. Beginning in 2009, BPEG will be able to annually manufacture 60 units of HVDC smoothing reactors and 100 units of 40MVA and larger air core shunt reactors.