



Mastering the transformation of electrical energy

**E.D.F. – Electricité De France
Flamanville EPR Nuclear Power Plant
650 MVA – $405\sqrt{3}$ / 23 kV – Single phase**



MAIN DATA

- **Type : Generator Step-Up Transformer**
- **Technology :** Shell type
- **Number of phases :** 1
- **Applicable standards :** IEC, EDF
- **Frequency :** 50 Hz
- **Cooling System :** ODAF
- **Type of regulation :** De-energized tap changer HV neutral side

	Rated voltage	Power rating	Connection
High voltage	405/ $\sqrt{3}$ kV	650 MVA	Wye
Low voltage	23 kV	650 MVA	Delta
	HV	Neutral	LV
Power frequency test voltage	630 kV	325 kV	70 kV
Full wave impulse test voltage	1 425 kV	450 kV	170 kV
Chopped wave impulse test voltage	1 567 kV	-	-
Switching surge test voltage	1 175 kV	-	-
Total weight	342 tons		
Untanking weight	26 tons		
Oil weight	42 tons		
Transportation weight (heaviest part)	278 tons		