

A Comparison of Nuclear Reactors

	Neutron that contributes to fission	Fuel	Moderator	Coolant	Conversion Ratio*
Fast breeder reactor (FBR)	Fast neutron	Fissile plutonium about 16 to 21% Depleted uranium about 79-84% (Blanket fuel is depleted uranium only.)	—	Sodium	Approx. 1.2
Lightwater reactor (BWR, PWR)	Thermal neutron	Uranium-235: 3-5% Uranium-238: 95-97%	Light water	Light water	Approx. 0.6

*Conversion Ratio: Percentage of fuel generated relative to fuel consumed as 1.0.