

Medium	Energy Density MJ/m³	Electrical Energy Density kWh/m³	Conv. Effic.	Storage Period hours	Comments
Natural Resources					
Natural uranium (Fast)	150,000,000,000	12,500,000,000	30%	-	Fast reactors
Natural uranium LWR	950,000,000	80,000,000	30%	-	Thermal
Black coal	24,000	2,300	35%	-	-
Brown coal	15,000	1,000	25%	-	-
Dry wood	10,000	970	35%	-	Biomass
Natural gas	38	5	45%	-	CCGT
Man-made Storage					
Hydrogen compressed	3,300	600	65%	2 - 24	350 bar
Lithium-ion battery	1,200	320	95%	0.1 - 12	Bulk and EV
NaS battery	1,100	260	85%	7 - 11	Bulk
Molten salt	900	90	35%	0.5 - 8	CSP
Nickel-cadmium batt.	350	80	80%	0.01 - 12	-
Lead-acid battery	250	60	95%	0.01 - 10	-
Vanadium-redox batt.	120	25	80%	1 - 10	Flow battery
Flywheel	80	20	90%	.001 - 0.8	-
Compressed air	25	5	70%	2 - 14	CAES (US)
Water (pumped-hydro)	1	0.25	90%	12 - 100	100m head