

Comparison of different Battery Technologies

	LFP	Lithium Ion	Li-Polymer	Flooded LA	AGM	Nickel Iron
Round trip efficiency	98%	95%	95%	80%	88%	65%
The Homeowner Cost of 10 kWh	6,900	6,500	4,500	1,200	2,200	18,000
Cycle Life @ 80% DOD	6,000	2,800	1,500	300	500	8,000
Off Grid Years	16.4	6.8	4	1	1.4	21.9
Energy Throughput in MWH	47	21.5	11.5	1.9	3.5	41.6
Cost per kWh	0.14	0.30	0.40	0.74	0.57	0.19
Safety	Yes	No	No	No	No	Yes
Free Maintenance	Yes	Yes	Yes	No	Yes	No

Energy Throughput: The total amount of energy a battery can be expected to store and deliver over its lifetime