

| Speicher | Zellspannung [V] | Energiedichte | | Leistungsdichte | | Wirkungsgrad [%] | Effizienz [%] | Lebensdauer | | Kosten | | Speicher |
|----------------------|---------------------|---|---|--|--|---------------------|------------------|-------------|------------|---------------------|---------------------|----------------------|
| | | Massenbezogene Energiedichte [Wh/kg] | volumenbezogene Energiedichte [Wh/l] | massenbezogene Leistungsdichte [W/kg] | volumenbezogene Leistungsdichte [W/l] | | | [h] | Ladezyklen | Leistung [\$/kW] | Energie [\$/kWh] | |
| | | | | | | | | | | | | |
| Pb-Säure | 2 | 30 - 40 | 60 - 75 | 180 | 360 | 70-90 | 65-85 | 52000 | 1200 | 250 | 130 | Pb-Säure |
| Ni-Cd | 1,2 | 40 - 60 | 50 - 150 | 150 | 300 | 50-70 | 60-65 | 90000 | 1000 | 600 | 250 | Ni-Cd |
| Ni-MH | 1,2 | 30 - 80 | 140 - 300 | 250 - 500 | 700 | 50-70 | 65 | - | 1000 | 1500 | 600 | Ni-MH |
| Zn-Br | 1,7 | 75 - 85 | 70 - 85 | 70 - 90 | 100 | 70-80 | 75-80 | 90000 | 3500 | 640 | 400 | Zn-Br |
| Na-S | 2,1 | 120 | 130 | 190 | 200 | 85-95 | 85-90 | 90000 | 3500 | 810 | 250 | Na-S |
| Na-NiCl ₂ | 2,6 | 90 | 110 | 150 | 185 | 75-80 | 90 | 90000 | 3000 | - | 500 | Na-NiCl ₂ |
| Li-Ion | 3,6 | 120 - 160 | 270 | 1800 | 3500 | 88-92 | 93-98 | 90000 | 5000 | 1500 | 620 | Li-Ion |
| Li.-Poly. | 3,6 | 130 - 200 | 300 | 2800 | 5100 | 85-90 | 89-95 | 90000 | 5000 | 1500 | 500-700 | Li.-Poly. |
| DSK | 2,5 | 0,5 - 10 | 0,6 - 13 | 10000 | 13000 | 90-95 | 95-98 | 90000 | 50000 | 300 | 15000 | DSK |
| SMES | - | 2 | 2 - 5 | - | - | 90-95 | 85-90 | 90000 | 100000 | 400 | 25000 | SMES |
| Polysulfid-Brom | 1,5 | 20 | 10 | - | - | 70-80 | 72-85 | 90000 | 2800 | 1100 | 190 | Polysulfid-Brom |
| Vanadium | 1,4 | 20 | 10 | - | - | 70-80 | 85-90 | 90000 | 10000 | 1830 | 300 | Vanadium |
| CAES | - | 1-2 kWh/m ³ | 1-2 kWh/m ³ | - | - | 50-74 | 50-75 | 90000 | 10000 | 450 | 30 | CAES |
| PSW | - | - | - | - | - | 65-85 | 63-85 | 90000 | 30000 | 600 | 20 | PSW |
| P2G | - | - | - | - | - | 54-63 | - | 90000 | - | 300 - 1100 | - | P2G |
| Schwungrad | - | 5 - 50 | 20 | - | - | 80-95 | 90-95 | 90000 | 500000 | 350 | 300 | Schwungrad |

Quellen: Siehe /30/, /33/, /3/, /42/, /7/, /8/

