

Inverter & Battery Warranty Comparison

Inverter Warranty

Inverter Model	Warranty Period	Note
EcoFlow PowerOcean	15 Years	
Huawei SUN2000	10 Years	
SAJ HS3	10 Years	
Sig Sigen Hybrid	10 Years	Plastic covers only have 3 year warranty, Does not cover rust caused by harsh environmental conditions
Solis S5/S6 Models	5 Years	

Battery Warranty - 1 Cycle per Day

Battery Model	Battery Capacity	Warranty Period	Warranty Usage Limit	Performance Guarantee	Estimated Warranty Length
Dyness PowerBox G2	10.24 kWh	10 Years	30.181 MWh	70%	8.07 Years
EcoFlow PowerOcean	10 kWh	15 Years	6000 Cycles	70%	16.44 Years (Limited to 15)
Huawei Luna2000-S1	10 kWh	15 Years	52.88 MWh	80%	14.49 Years
SAJ HS3 BU3	10 kWh	10 Years	30.60 MWh	60%	8.38 Years
Sig Sigenstor BAT10.0	8.76 kWh	10 Years	30.66 MWh	60%	9.59 Years
Livolttek BLF51-5	4.5 kWh	10 Years	6000 Cycles/ 25.0 MWh	70%	10 Years

Battery Calculation Scenario: Usage pattern of 1 full cycle per day. Comparison between 10 kWh batteries under different warranty conditions.

Throughput Calculation Example (SigenStor BAT 10.0)

- Warranty throughput limit: 30.66 MWh – 30,660 kWh
- Daily usage at 1 cycle: 8.76 kWh
- Days to reach throughput limit: $30,660 \div 8.76 = 3,500$ days
- Approximate duration: 9.59 years

Cycle Calculation Example (EcoFlow PowerOcean 5kWh x 2)

- Warranty limit: 6,000 cycles
- Days to reach cycle limit: 6,000
- Approximate duration: 16.44 years