

SUNGIGA

Jinko ESS

Jinko C&I ESS Solutions

C&I System Case Study – Margaret River,
WA Winery with existing PV System



Example C&I Site: Margaret River Wine Region, WA



Existing Site Overview:

- Energy storage: None
- PV generation: 30kWp PV

Intended use:

- Self-consumption – peak shaving, demand shifting, reducing energy costs
- No FCAS, no wholesale arbitrage

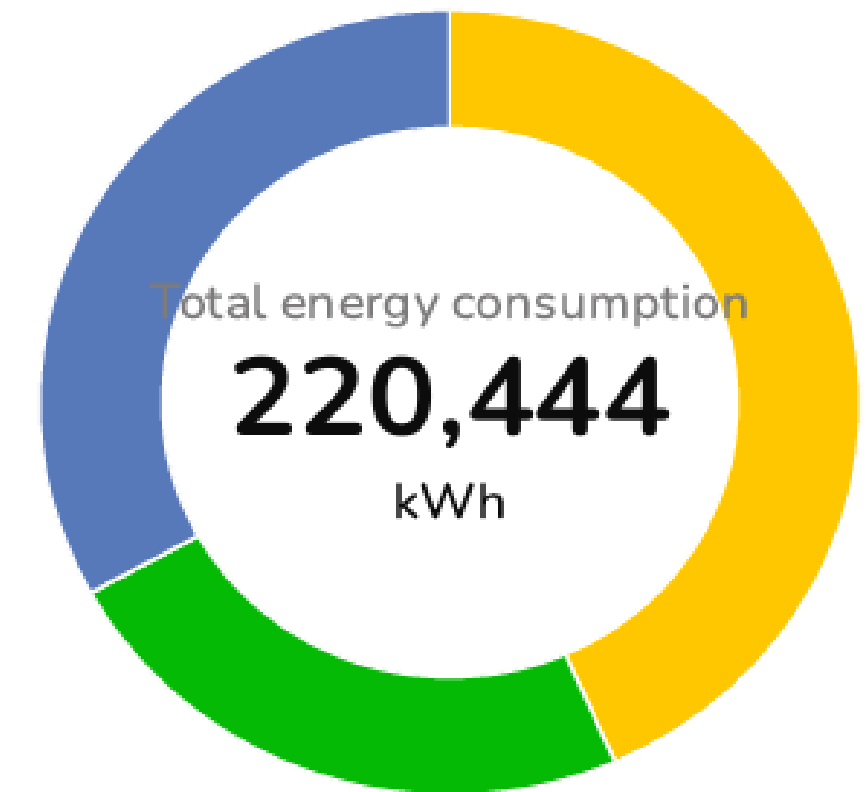
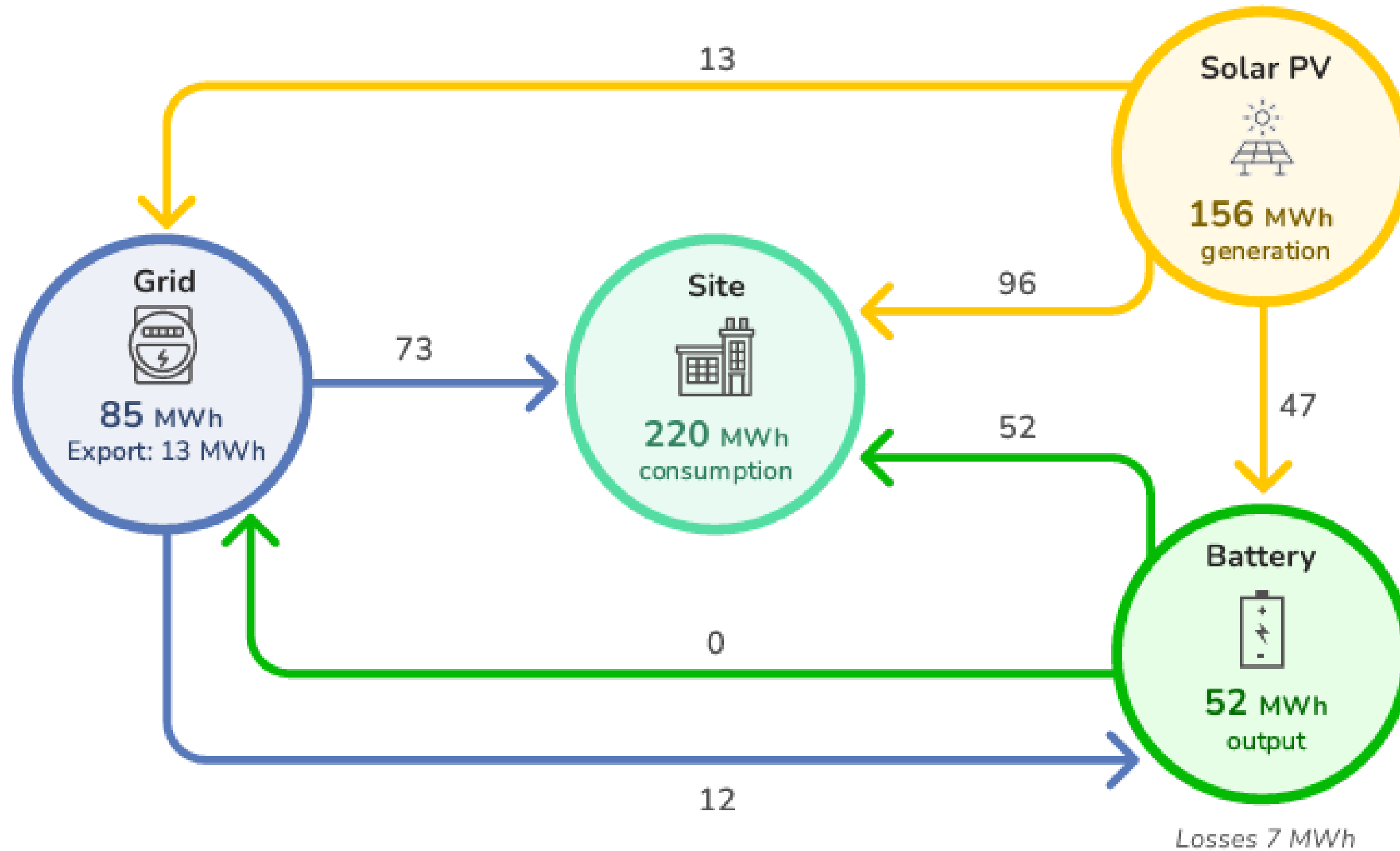
SOLUTION:

- 1 x SunGiga 100kW/215kWh BESS + additional 70kWp PV

Total system capacities:

- Energy storage: 215kWh
- PV generation: 100kWp

Annual Energy Usage – 215kWh BESS & 100kWp PV



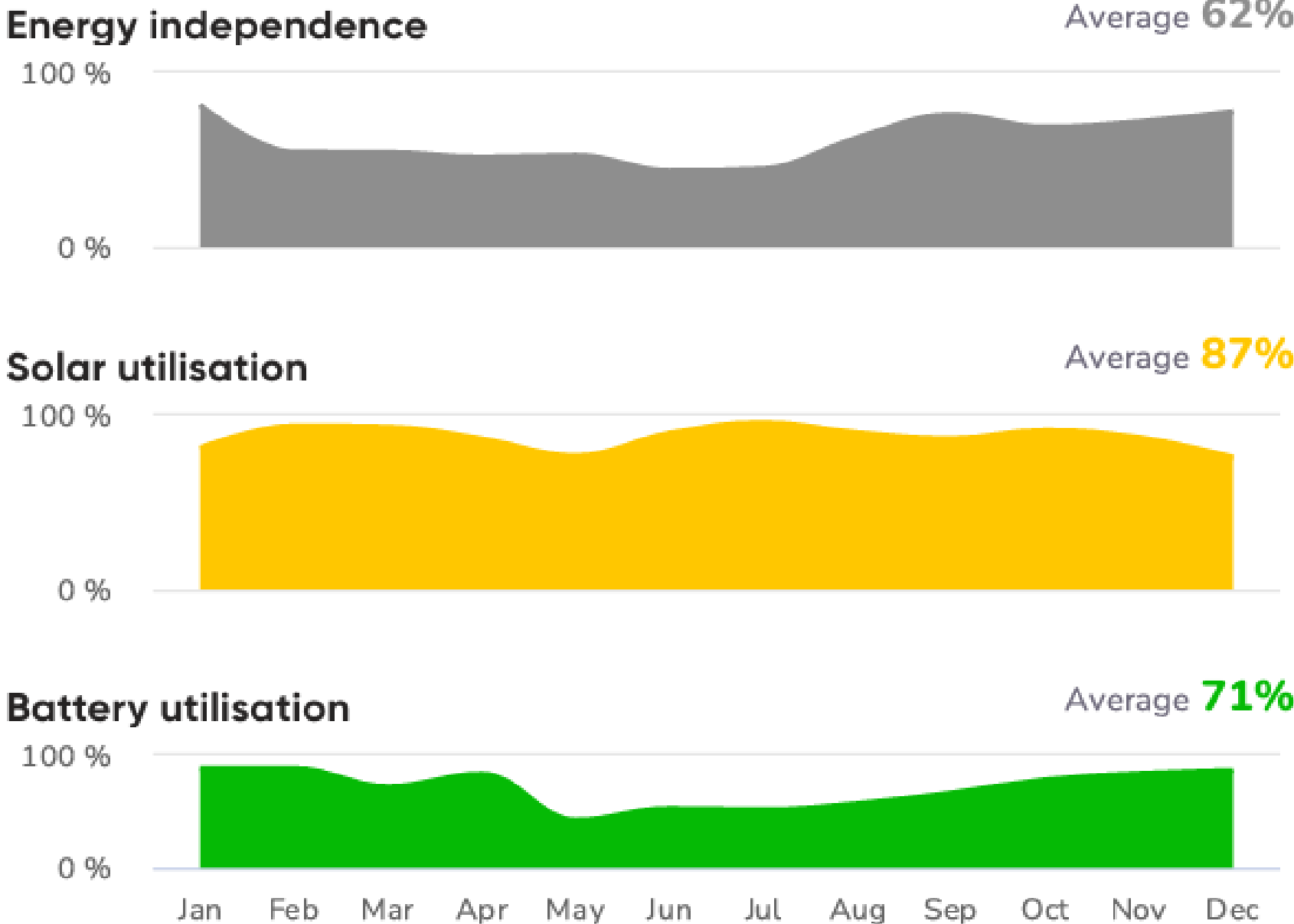
Solar	43.4%	95,744 kWh
Battery	23.5%	51,840 kWh
Grid	33.1%	72,860 kWh

Energy Metrics – 215 kWh BESS & 100kWp PV



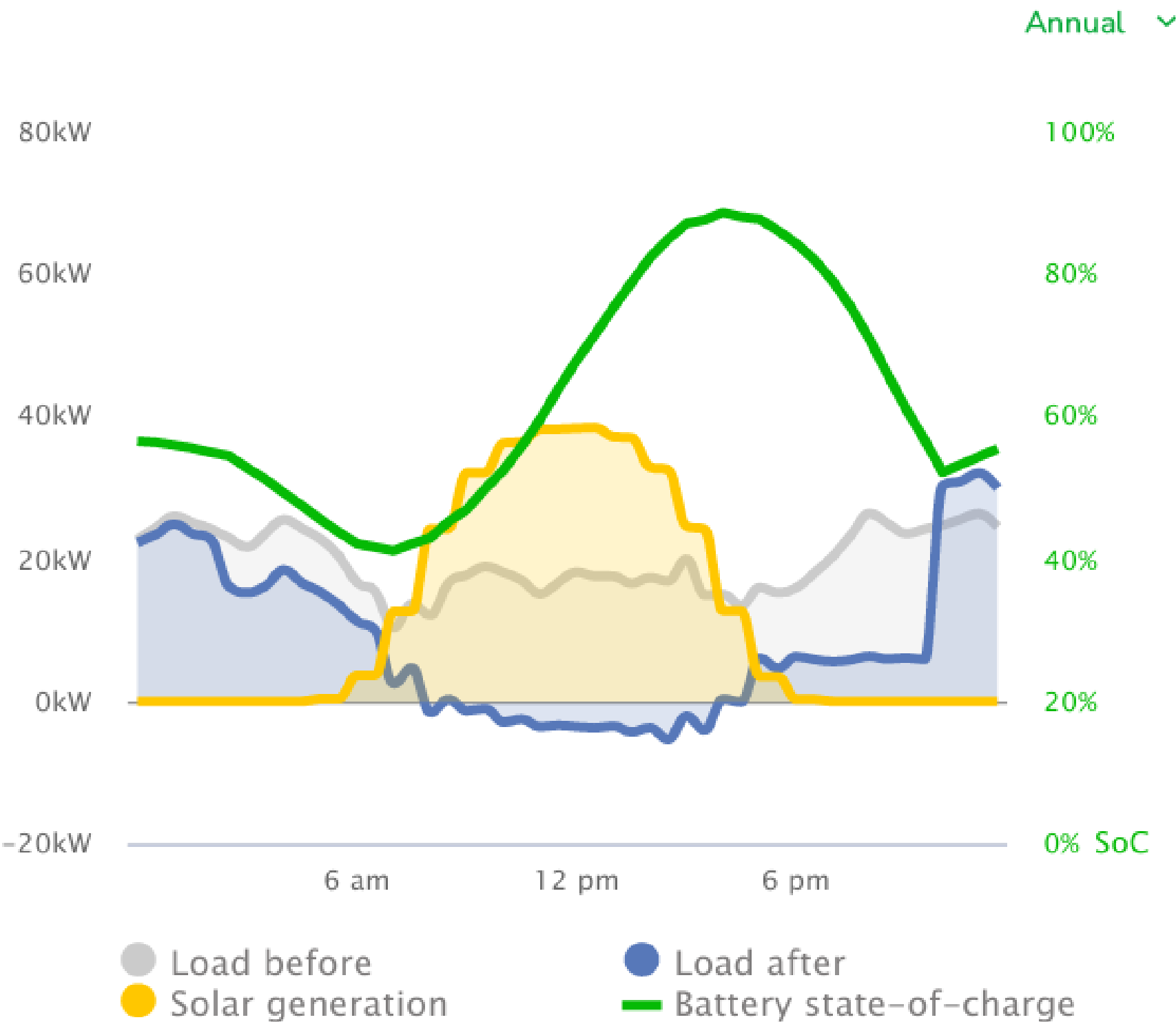
Energy Metrics

Average monthly metrics, year 1 (Jan-24 to Dec-24)



Daily energy activity

Annual and monthly averages year 1 (Jan-24 to Dec-24)



Payback Period and Earnings Breakdown



6.3 years

Payback period

16.1 %

Rate of return

3.2 %

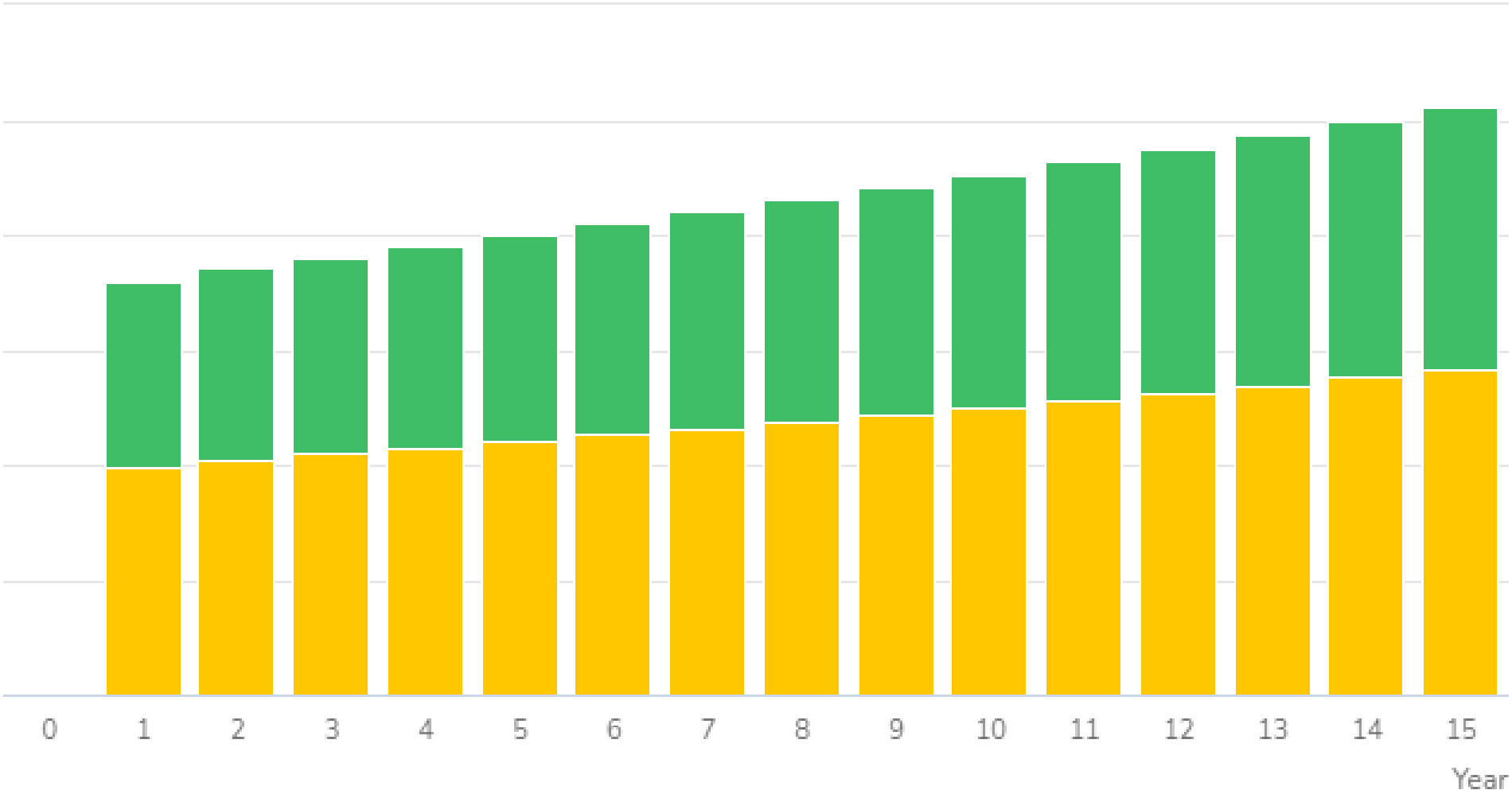
Solar export

61.5 %

Energy independence

Earnings

Earnings by value stream, all years



● Solar (to load) ● Tariff arbitrage / other bill savings



Financial & Emissions Metrics



6.3 years

Payback period

16.1 %

Rate of return

3.2 %

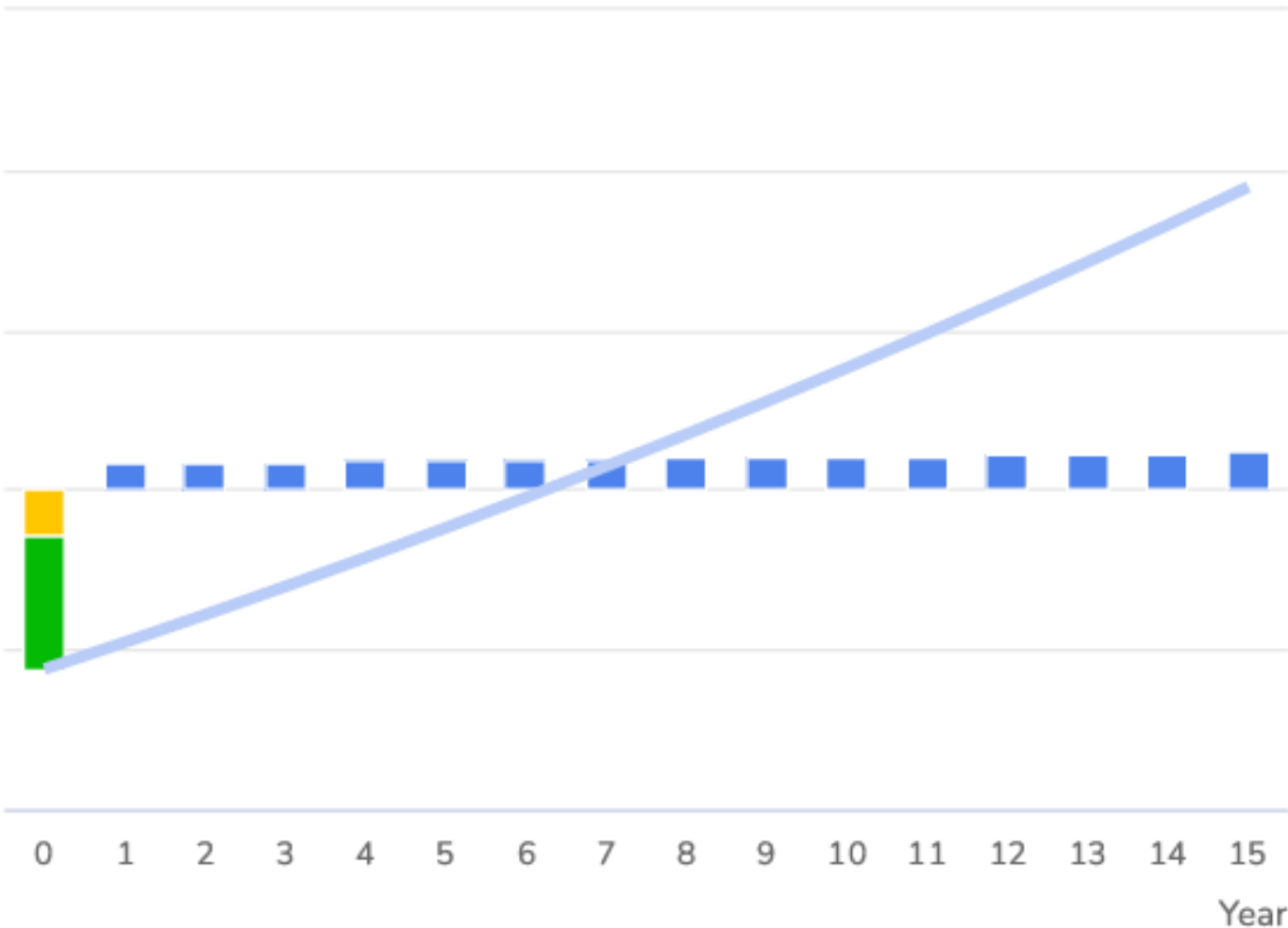
Solar export

61.5 %

Energy independence

Cashflow

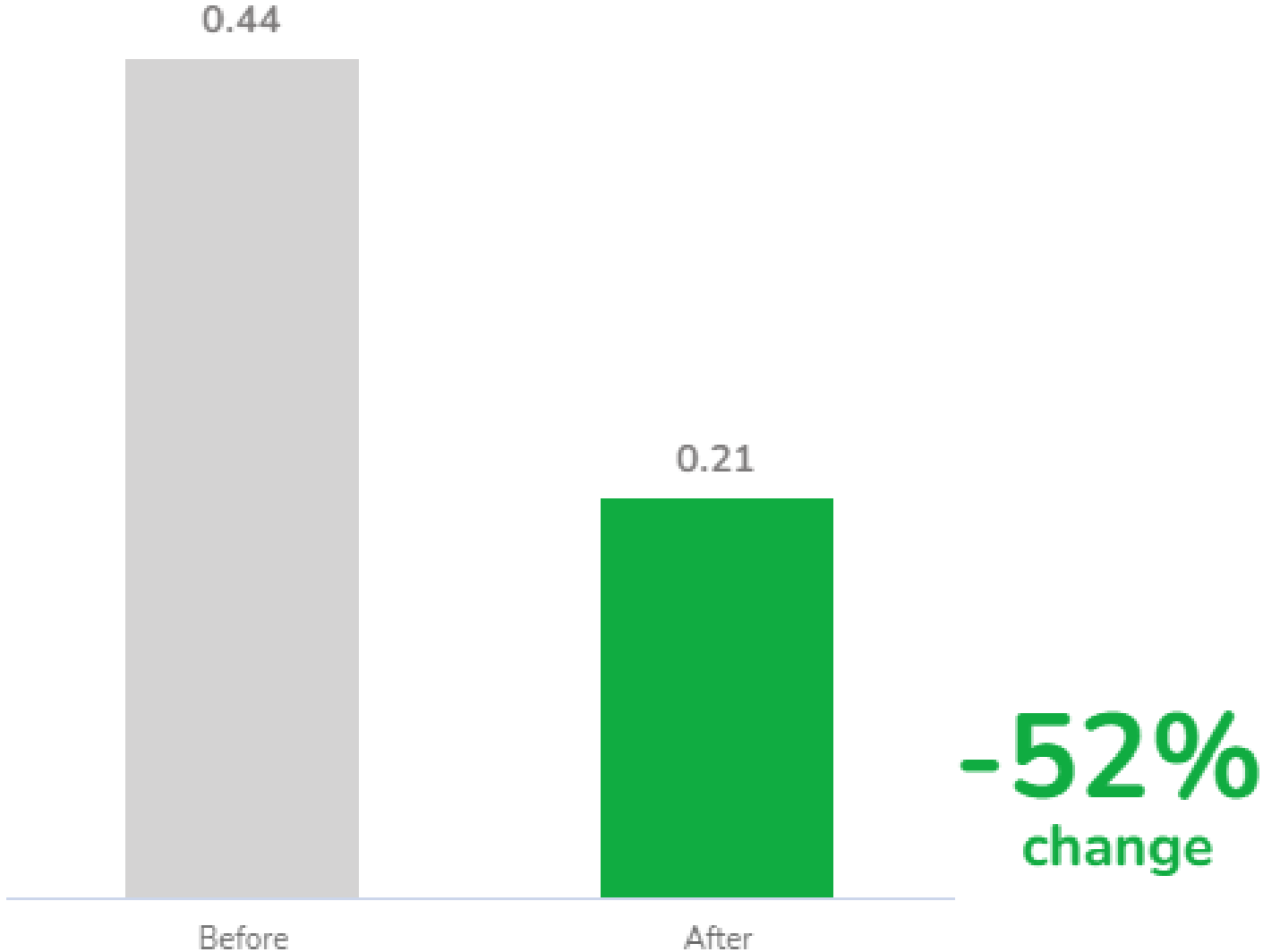
Net & accumulated cashflows (nominal \$), all years



- Net cash flow
- Battery upfront costs
- Solar upfront costs
- Accumulated cash flow

Emissions intensity

Carbon dioxide per MWh consumed (tCO₂-e/ MWh), year 1 (Jan 24 to Dec 24) ?



Results are indicative and not guaranteed.