

**SUNGIGA**



# Jinko C&I ESS Solutions

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C&I System Case Study – Regional  
Victoria EV Charging Hub

# Example C&I Site: Regional Victoria EV Charging Hub

## Existing Site Overview:

- Energy storage: None
- PV generation: None
- EV charging: None
- Export Limit: 300kW

## Intended use:

- EV charging hub – Self-consumption
- BESS behind-the-meter, PV export
- No FCAS

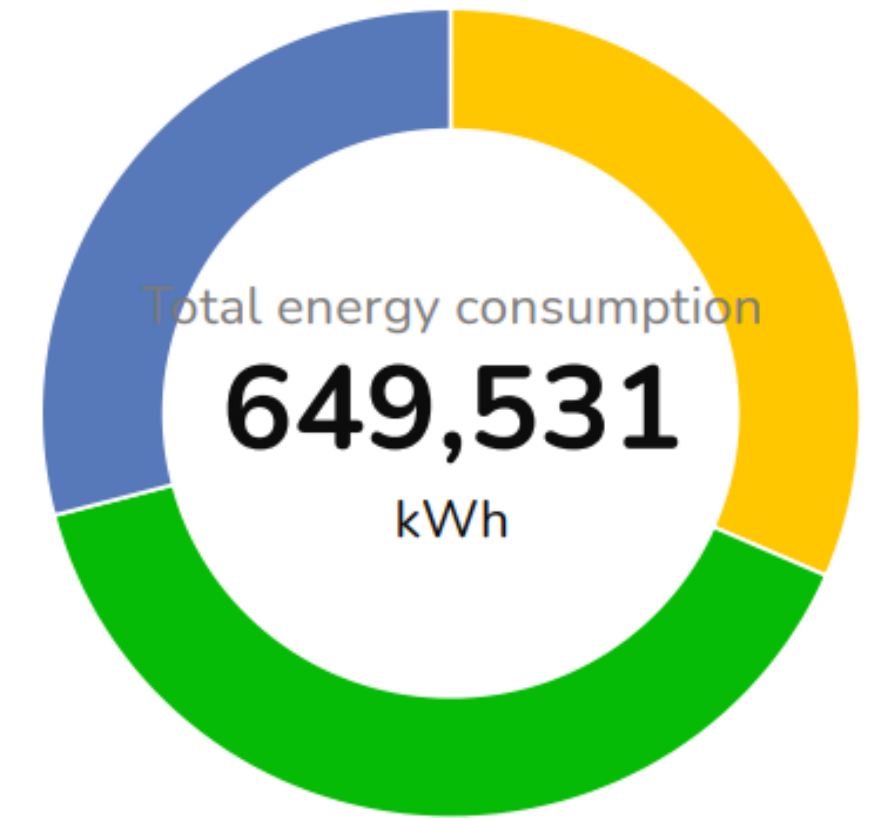
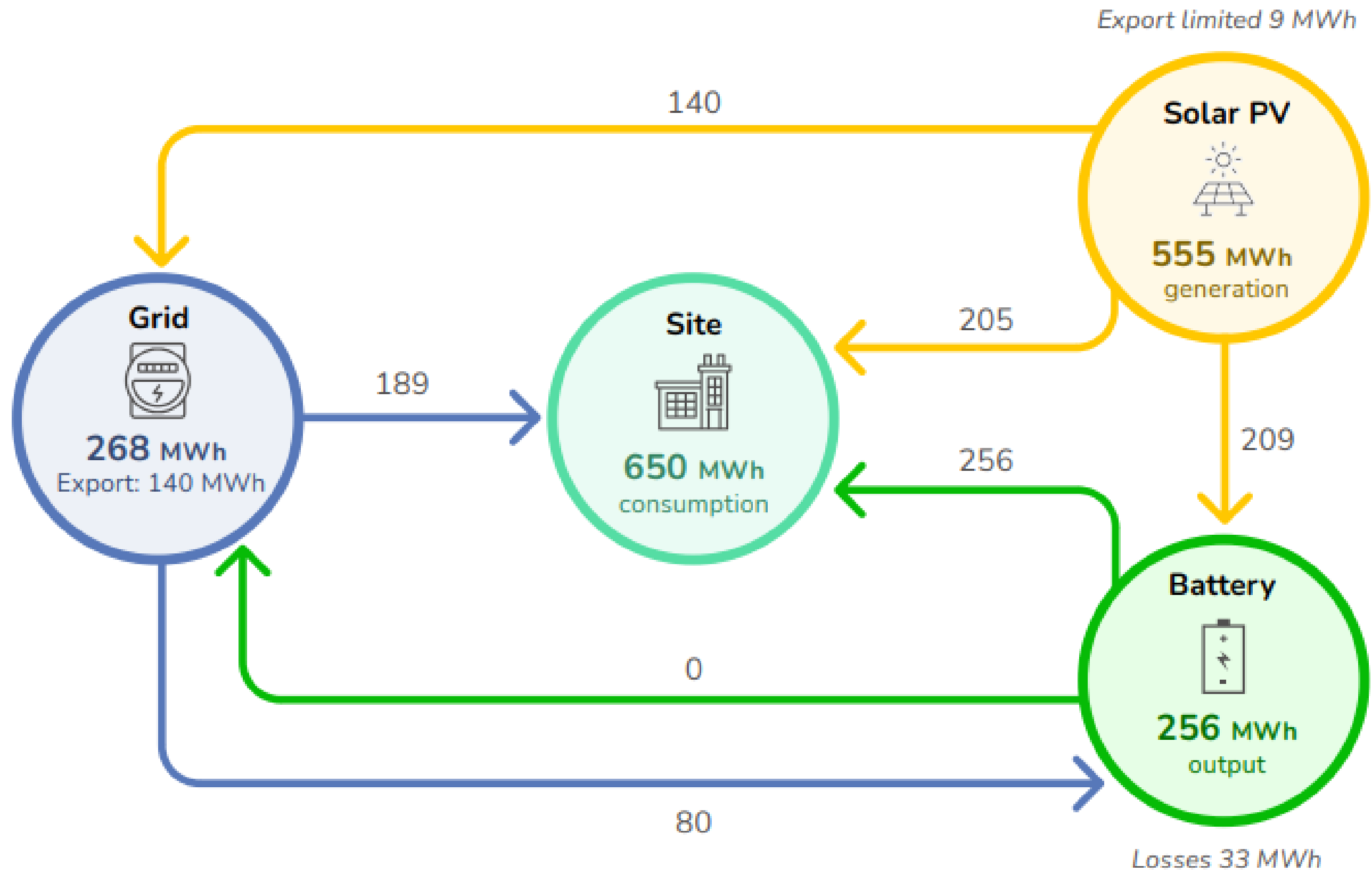
## SOLUTION:

- 4 x SunGiga 100kW/215kWh BESS with 450kWp PV and 200kW EV chargers

## Total system capacities:

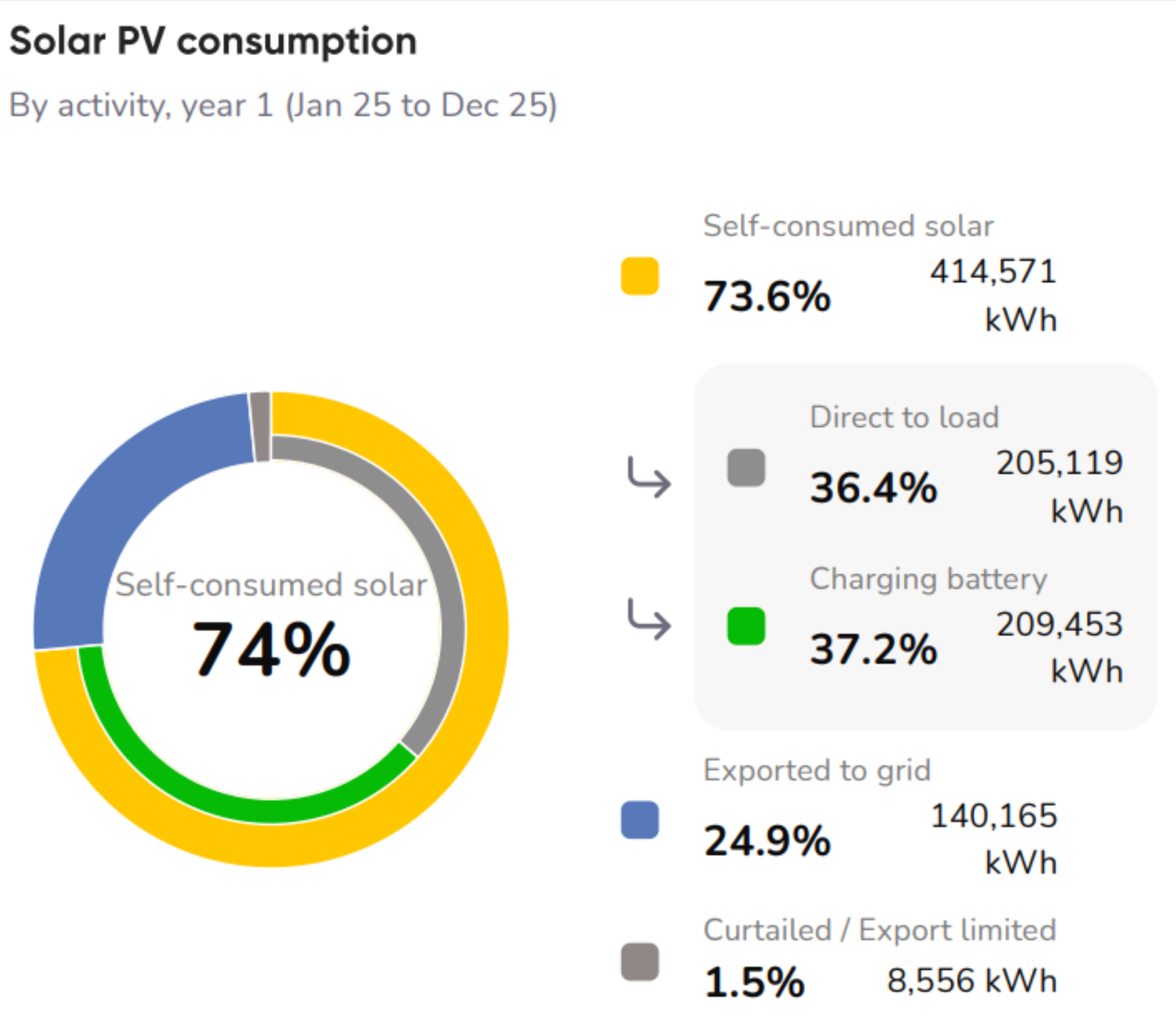
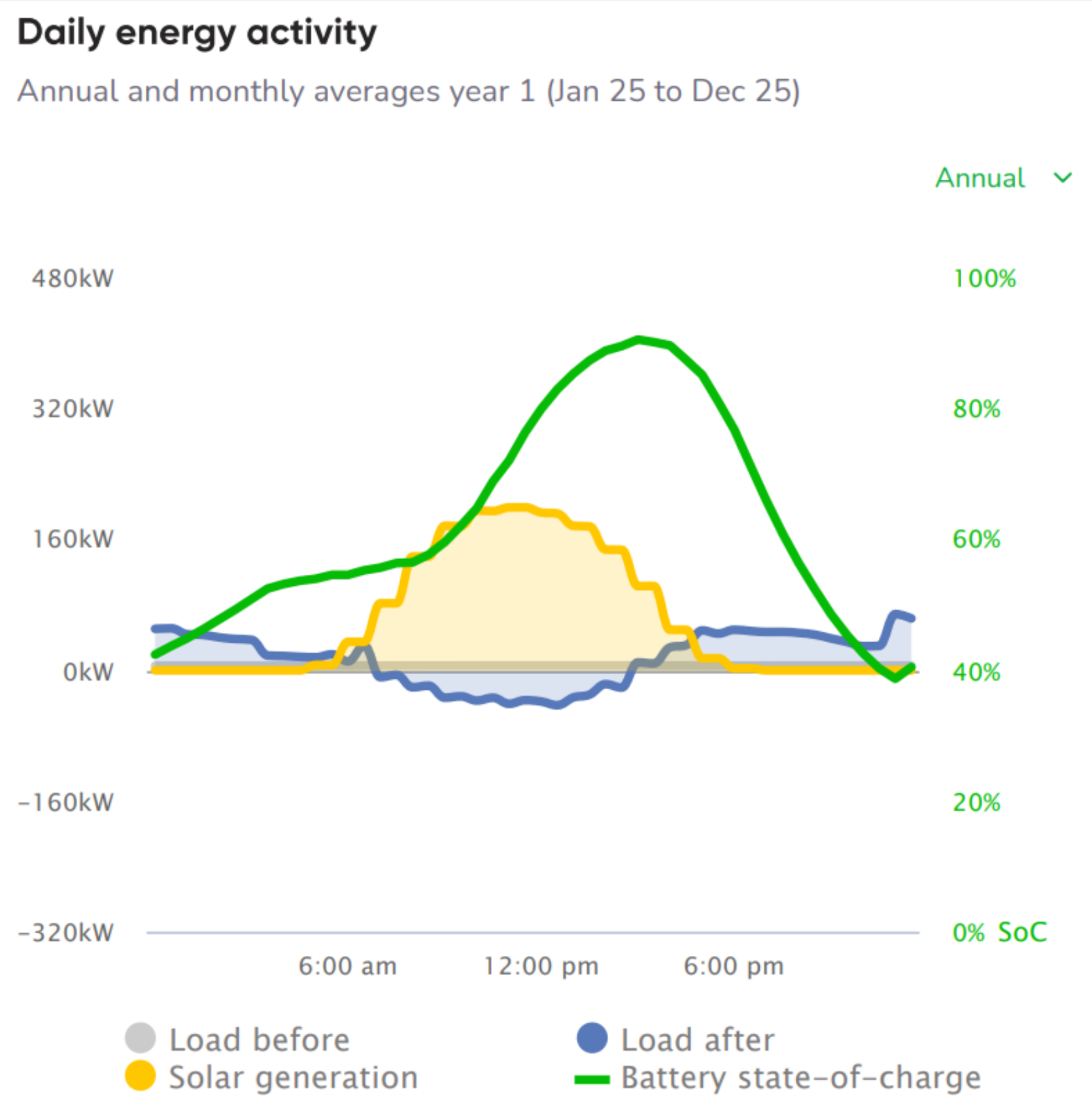
- Energy storage: 860kWh
- PV generation: 450kWp
- EV Chargers: 200kW

# Annual Energy Use – 860kWh BESS, 450kWp PV, 200kW EV Charging



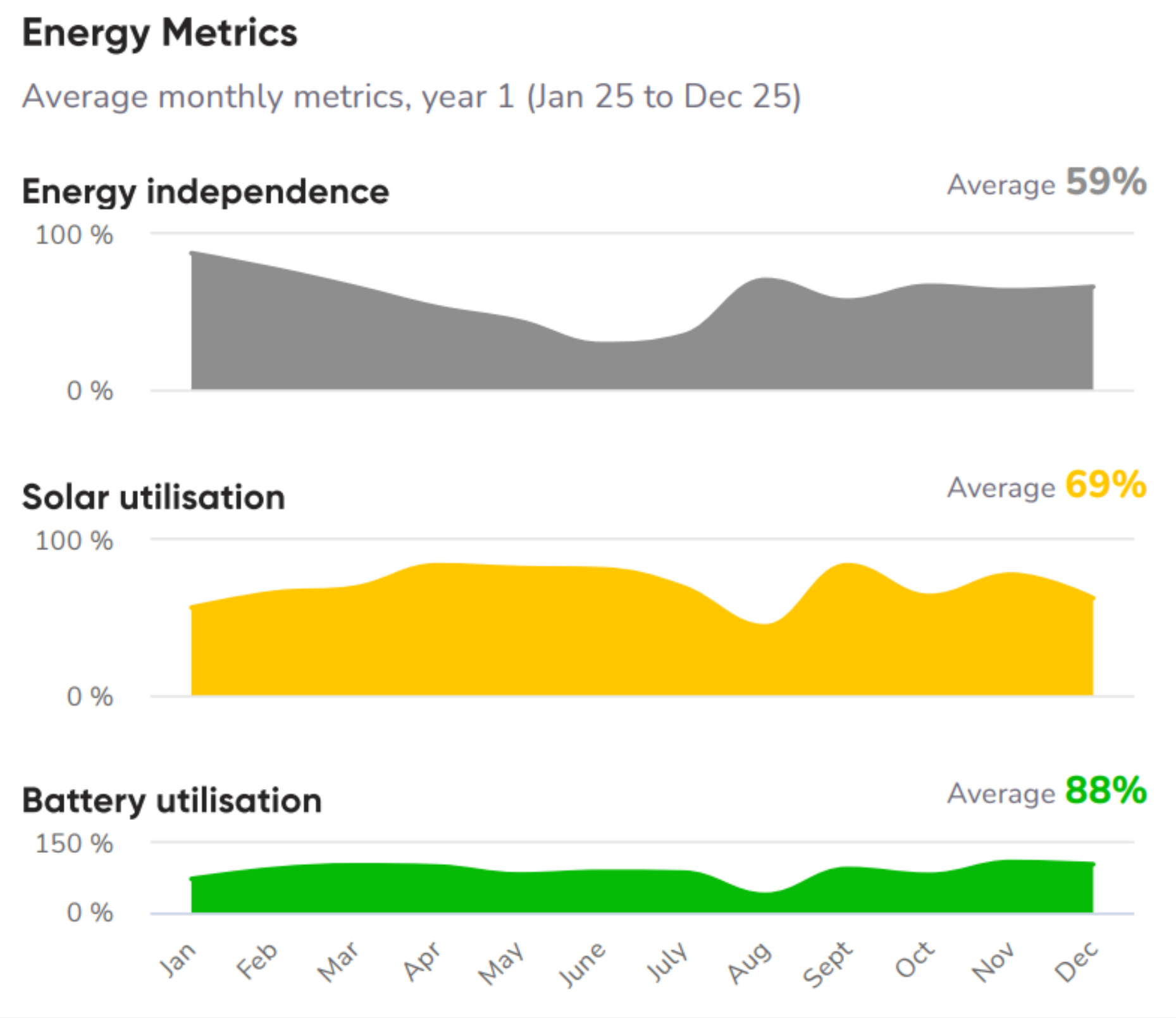
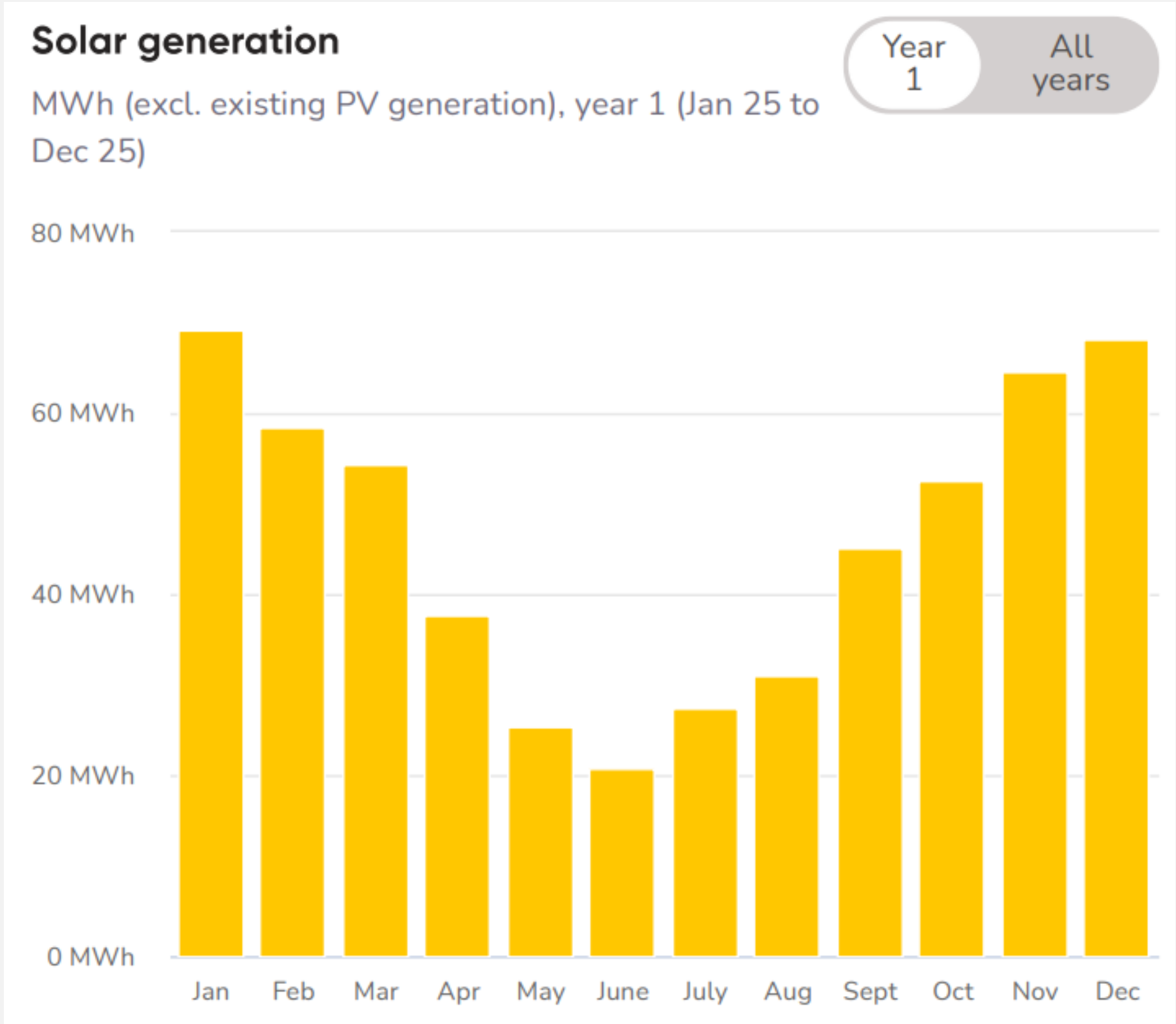
Source	Percentage	Value (kWh)
Solar	31.6%	205,119
Battery	39.4%	255,732
Grid	29%	188,681

# Energy & PV Consumption – 860kWh BESS & 450kWp PV



Results are indicative and not guaranteed.

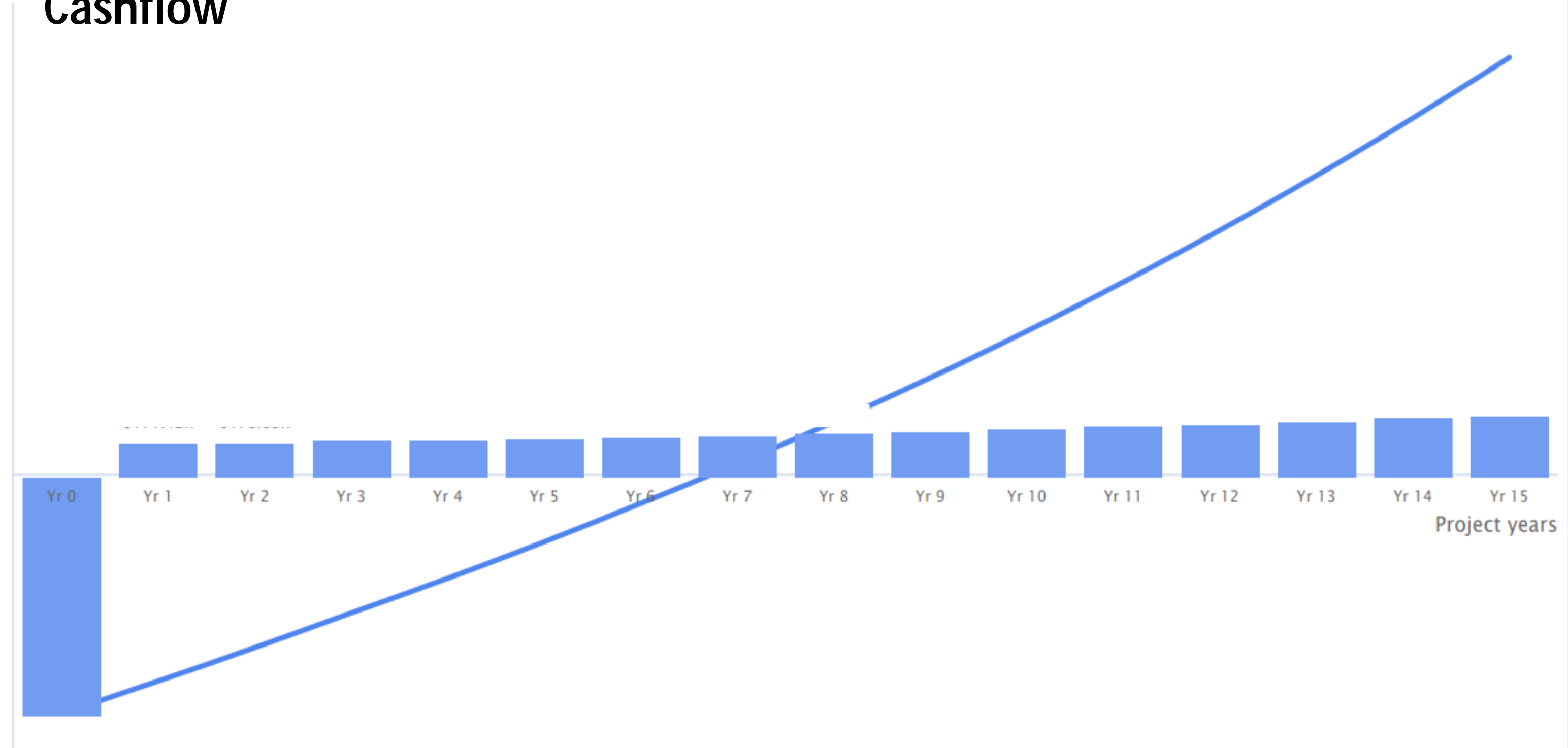
# Energy Metrics & PV Generation – 860kWh BESS & 450kWp PV



Results are indicative and not guaranteed.

# Payback Period and Cashflow

## Cashflow



**7 years**

Simple payback

**15.4 %**

Rate of return