

Home H5, Chiang Mai

Exports 62% - battery or load shift

Upgrade opportunity

5 kWp*

PV · 5 kW inverter

430 kWh

PV, 1-24 Oct

3.59

kWh/kWp/day

386 kWh

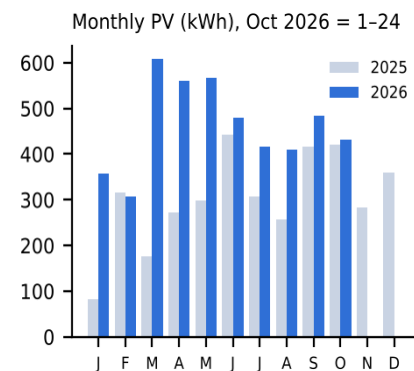
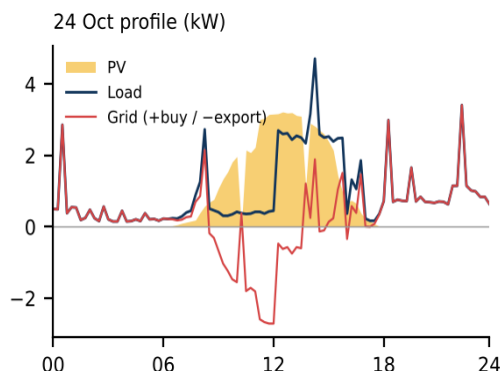
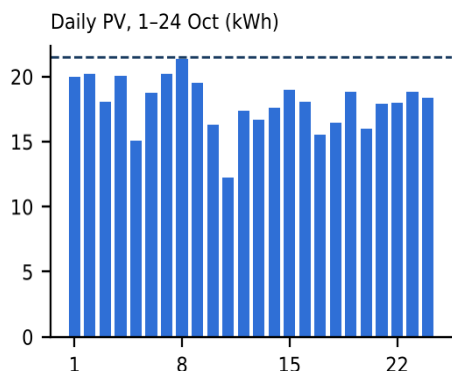
Consumption

224 kWh

Bought from grid

269 kWh

Exported



What we found

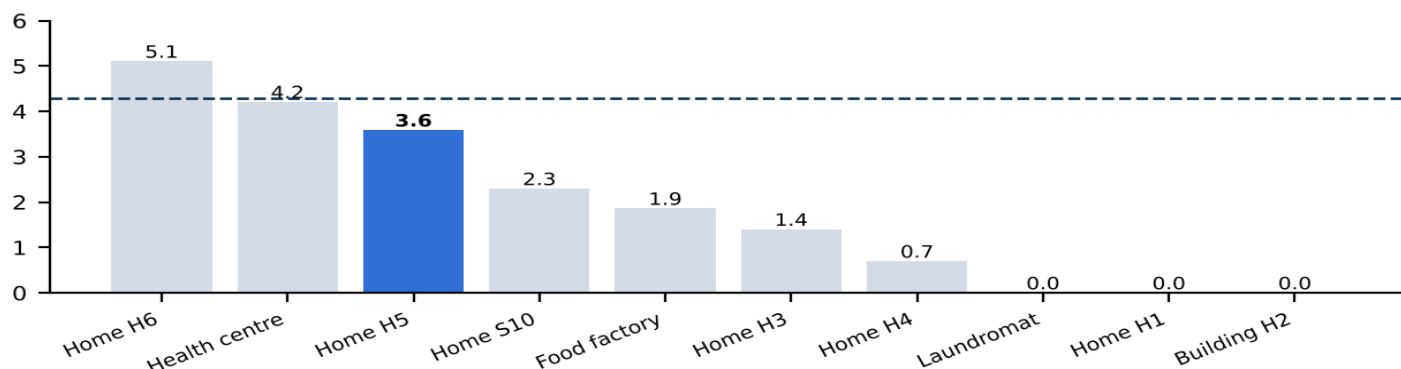
- It made 430 kWh in 24 days, or 17.9 kWh a day: 3.6 kWh/kWp if the array is 5 kWp. The capacity is not set in FusionSolar.
- It exported 269 kWh (62% of PV) at midday and bought 224 kWh in the evening and at night. Only 162 kWh of PV was used directly in the home.
- There were 46 short grid overvoltage trips in October; output impact was small.

What to do

1. Enter the real PV capacity (kWp) in FusionSolar.
2. Suggest moving water heating, laundry and air-con pre-cooling to 10:00-15:00.
3. Offer a 5-10 kWh battery if export is credited at 2.20 THB/kWh or less. It would cut evening grid purchase by about 200 kWh a month.

* kWp not set in FusionSolar; 5 kWp assumed.

How this plant compares (kWh/kWp per day, 1-24 Oct)



Rank 3 of 10 Huawei plants. Dashed line = expected 4.3 kWh/kWp per day.