

Home H4, Samut Songkhram

Very low yield - 0.7 kWh/kWp

[Fix now](#)

4.995 kWp

PV · 5 kW inverter

84 kWh

PV, 1-24 Oct

0.70

kWh/kWp/day

74 kWh

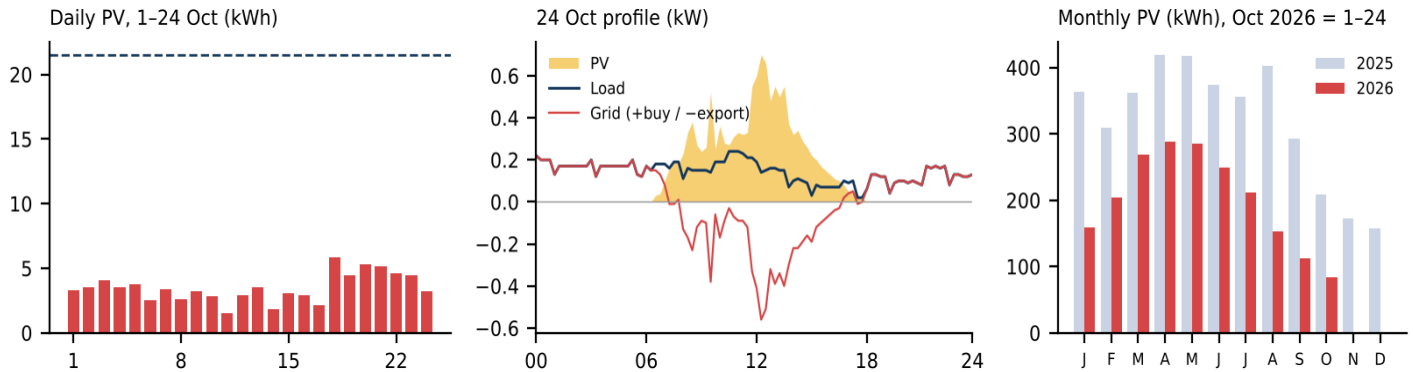
Consumption

45 kWh

Bought from grid

55 kWh

Exported



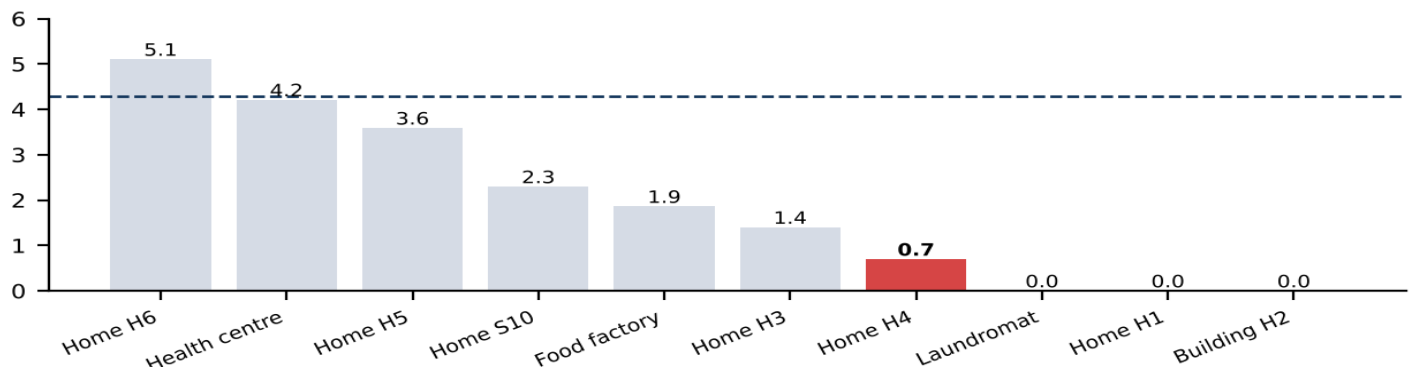
What we found

- It made only 83.7 kWh in 24 days, or 0.70 kWh per kWp per day. A healthy system makes about 4-5 (Home H6 made 5.1).
- At 10:00 on 25 October the inverter was putting out 0.26 kW from 4.995 kWp. Home H6 was putting out 2.5 kW from 5 kWp at the same time.
- The monthly yield is falling: 288 kWh in April and 285 in May, then 249, 211, 153 and 112 kWh, and now 84 kWh in October. Even its best month in 2025 (418 kWh) was low.
- There was a grid fault on 8 October (undervoltage, Grid Failed and a power meter fault). The meter and export data look normal now.

What to do

1. Site check: look for shading from trees or new buildings, heavy dirt, and burnt or loose MC4 connectors. Measure the open-circuit voltage of each string.
2. Compare the string voltage with the design. If one string is open-circuit, the inverter will be running on only part of the array.
3. Clean the panels and trim any trees, then check the yield again after 1 week.

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



Rank 7 of 10 Huawei plants. Dashed line = expected 4.3 kWh/kWp per day.