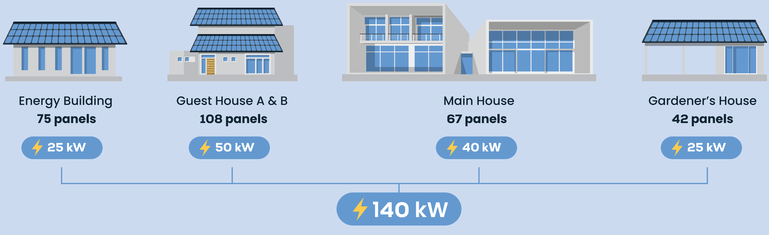
PHI SUEA HOUSE PROJECT

PHI SUEA HOUSE ENERGY FACTS

Solar

Phi Suea House Energy Demand : **250 kWh / day**

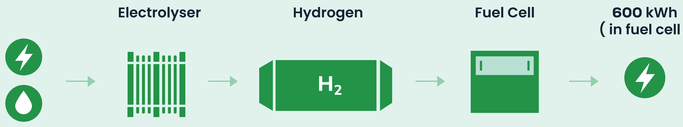


Energy Building	Guest House A & B	Main House	Gardener's House
75 panels	**108 panels**	**67 panels**	**42 panels**
25 kW	50 kW	40 kW	25 kW

140 kW

140 kW — 3.5 hours — Average daily production **490 kWh per day**

Hydrogen



Can supplies the house with **8kW of continuous power**

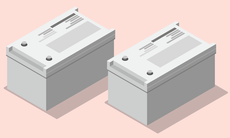
0 — 1 day — 2 days — 3 days

75 hour
(~ 3 days)

H_2

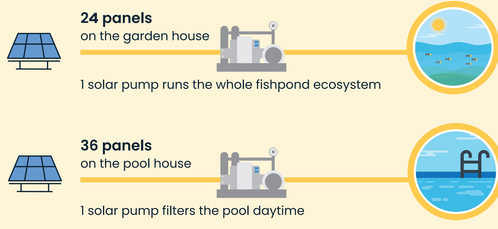
Hydrogen gas production rate
MAX : 4,000L / hour (8 kg / day)

Battery



2 x 4,000 Ah 48V
Gel battery banks
384 kWh

Solar Pump



24 panels
on the garden house

1 solar pump runs the whole fishpond ecosystem

36 panels
on the pool house

1 solar pump filters the pool daytime