

SOLAR WATER PUMPING · OPTION C · SOLAR INTEGRATED HOME PACKAGE

Solar for the whole home, pump included

Option A plus an on-grid solar system: 8 × LONGi 650 W panels feed a Solis 6 kW inverter on the home main board. The pump is one of the home loads, so solar power is used all day, by the pump and by the rest of the home.

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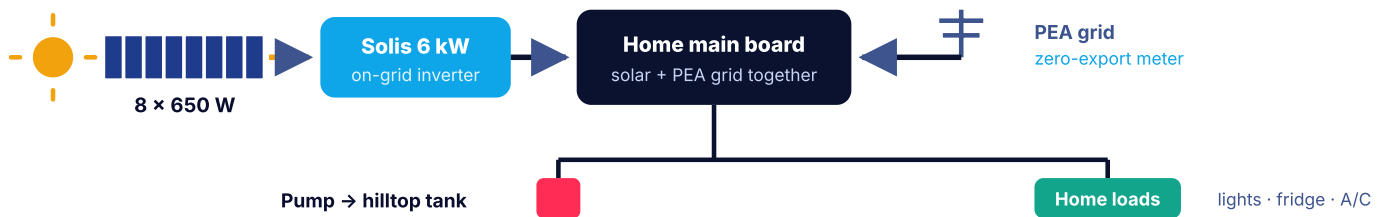
Rev02

20 October 2026

Chiang Rai, Thailand

Approximate prices in THB

How it works



The solar integrated home package

 65,000 THB 1 Drilling a 4" well Drilling with pipe, accessories and safety sling included	 17,000 THB 2 TORQUE 1.5 HP AC pump TQ-SP-2DLBM20-4/S, 1-phase 220 V	 125,000 THB 3 Solar on-grid system Panels, Solis 6 kW, protection, installation
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Option C total, approx. (drilling + pump + on-grid solar)

207,000 THB

What the solar on-grid system (125,000 THB) covers

-  8 × LONGi 650 W panels (5.2 kWp) on a galvanised ground-mount frame
-  Solis smart meter + CT for zero export
-  Installation and commissioning, plus PEA application with engineer-certified SLD
-  Solis S6-GR1P6K 6 kW on-grid inverter with WiFi app monitoring
-  DC isolator + SPD, AC breaker + SPD + RCBO, pump control box, cables, earthing, float switch

Solar value per year: Option B or C (Option A has none)

Option B · Solar pump
pump only

13,300

≈ 13,300
THB solar value per year

Option C · Home solar
pump + home loads

34,200

≈ 34,200
THB solar value per year

SOLAR PER SUNNY DAY
≈ 21 kWh

pump ≈ 9 · home ≈ 12

EXTRA COST VS A
≈ 125,000 THB

207,000 – 82,000

PAYBACK
≈ 3.7 years

if the home uses daytime solar

ROOM TO GROW
up to 9 kWp

about 5 more panels later

Approximate, before VAT. Solar value assumes 4.0 kWh/kWp/day at ≈ 4.5 THB/kWh, all used by the pump and home in daytime. On-grid needs PEA approval (Solar ESS files it, included) and stops in a power cut, so the pump stops until the grid returns.