

BOSS Kit Pro Press

Kits
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BOSS-CONCEPT

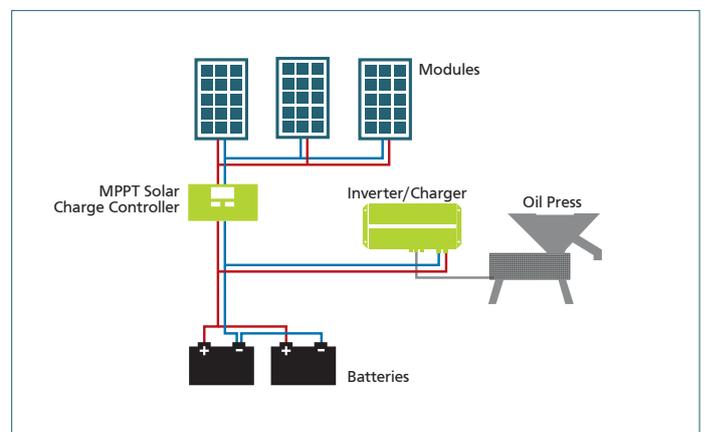
Off-Grid solar power systems can be an important factor to support rural development in areas that are not connected to the electricity grid. The Phaesun BOSS-solutions target specifically the commercial sector in non-electrified areas. BOSS stand for **Business Opportunities with Solar Systems**. The Phaesun technical team develops innovative

solutions together with component manufacturers and partners in the target countries. The systems are well adjusted to local needs, designed with high quality energy efficient loads which makes them robust with little maintenance needs.

The Phaesun Pro Press solar oil press is ideal for the pressing of different crops. The solar oil press with its speed regulation achieves excellent pressing results due to the very efficient engine. The solar oil press is available as complete kit with high quality components for a reliable and professional usage day by day.

Technical data:

- Oil press with speed control
- Power consumption 380 - 810 W
- 3 strings solar module, combiner box, support structure
- Maintenance-free VLRA batteries with rack
- MPPT solar charge controller
- Inverter/charger
- Output: 300- 500g/ minute (depending on seeds)
- Stainless steel
- Total weight approx. 1130kg



Article	Artikel	Article No. / Artikel Nr.
Pro Press 1,5 kW / 230 VAC oil press solar modules 2400 Wp batteries 1000 Ah 24 VDC 2,5 kW MPPT 3 kW inverter cables and installation material	Pro Press 1,5 kW / 230 VAC Ölpresse Solar Module 2400 Wp Batterien 1000 Ah 24 VDC 2,5 kW MPPT 3 kW inverter Kabel und Installationsmaterial	600253

Generate income with BOSS solutions!

BOSS solutions specifically target the commercial sector in non-electrified areas. Local entrepreneurs use the power of the sun to offer services and generate a business out of this. BOSS-solutions have the potential to develop the commercial sector in rural areas in a

sustainable way as they provide income sources on a longterm basis. The following graphs show different business scenarios with the BOSS Kit Pro Press.

Assumptions for the business scenarios:

The oil press can produce 300-500g per minute up to 10 hours/day.

The scenarios assume a solar irradiation of 5 kWh/m²/day, which refers to the minimum irradiation in most African countries.

Business scenarios: BOSS Oil Press

Scenario I: Production of 18 kg oil/hour, 8 hours/day, 5 days/week.

=> weekly oil production: 720 kg

Income:

Processing of 10 kg oil: 2,1 \$

→ weekly income: 151,00 \$

The investment costs of 14.000 \$ are amortized after a period of 93 weeks = 1 year and 10 months

Scenario II: Production of 30kg oil/hour, 8 hours/day, 5 days/week.

=> weekly oil production: 1200 kg

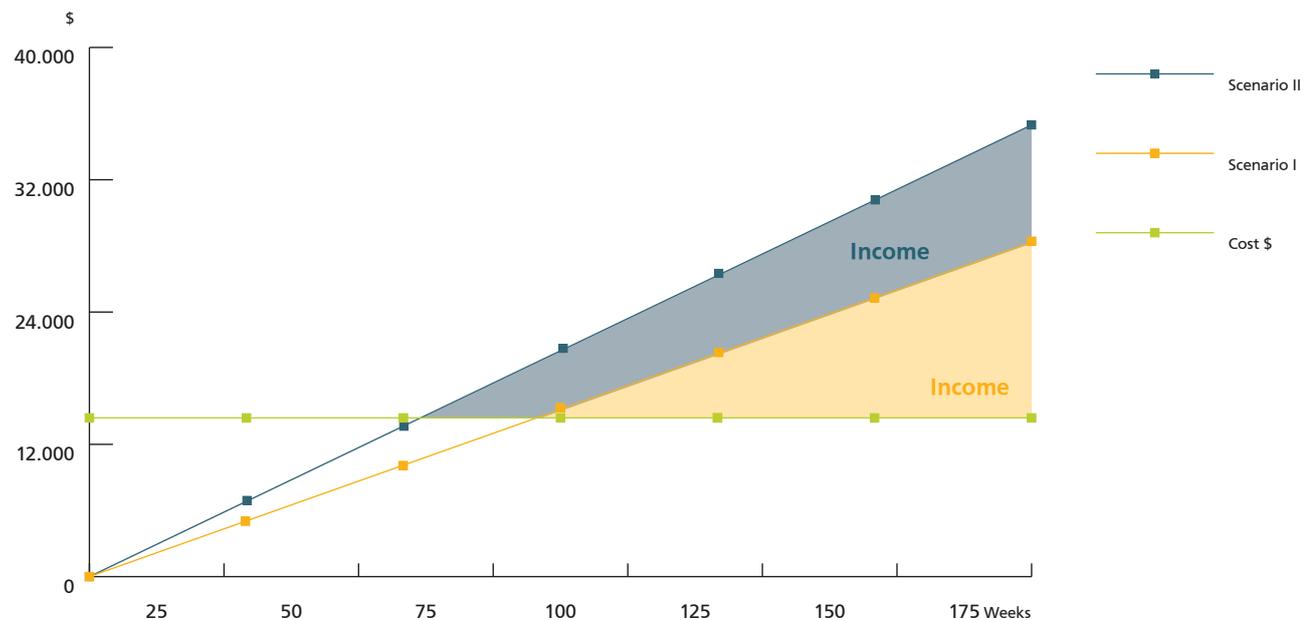
Income:

Processing of 10 kg oil: 1,60 \$

→ weekly income: 192,00 \$

The investment costs of 14.000 \$ are amortized after a period of 73 weeks = approx 1 1/2 years

Investment Costs (fix costs) BOSS oil press



Please note: These are assumed business scenarios with the standard BOSS Kit Pro Press used in southern Africa. We are happy to assist you with the development of specific business

scenarios adapted to other irradiation groups, different price levels and modified grainmilling systems. Please ask our sales team for the checklist to find the best grain mill for your individual needs.