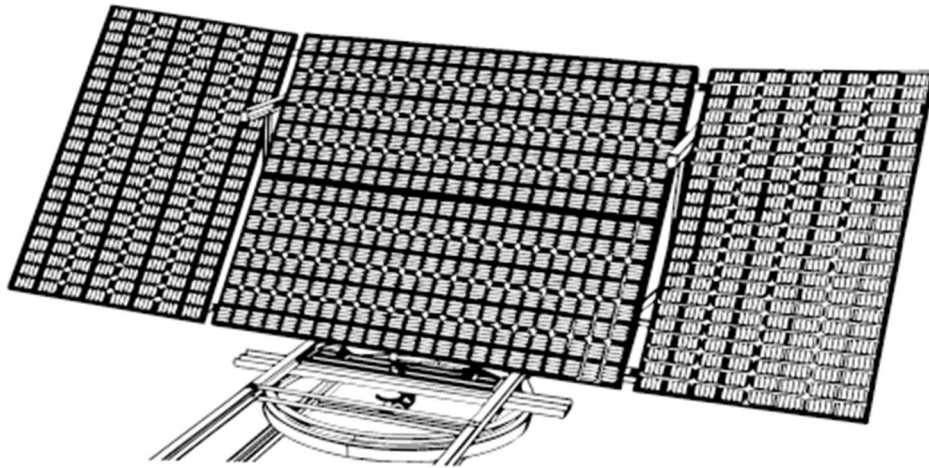




# EXERGETICA

Your efficient solution

# Helios PV



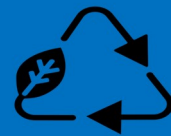
**Producing 100% green electricity**

Deliver green electric power



**Durability > 15 years**

No maintenance required and high durability



**High Efficiency**

+35% more annual energy production compared to fixe

## Typical Application



**Buildings:**

Providing electric power for public and private buildings



**Residential:**

Providing electric power for houses



**Isolated zones:**

Decentralized electric power for remote communities

## Technical Data

### Dimension & Weight

Width x Length x Height	4.5m x 4.5m x 2.5m
Weight	Around 700kg including the frame and the concrete blocks

### Electrical Performance

Electrical power output	1kWe to 5kWe
PV panel efficiency	19% - 21%
Annual overall efficiency	+35% compared to fixed structure

### Equipments

PV panels	JINKO 540W Tiger Pro 72HC (21% efficiency) *Other types are also available and could be proposed upon request
Inverter	SUNON PRO 5.5 kWe/48V + 100a mppt
Battery	Tubular or Lithium (upon request)
Structure	Galvanized structure for the solar panels Concrete blocks for the metal base of the frame
Rotation azimuth tracking	Slew Drive + 24V Electric motor
Elevation tracking	Stepper motor
Cables	Cables AC, DC, 35, 16, 6, 4 mm
Protection	DC breaker 2P 125 A, 4 x AV Breakers 2P 40, 32A. Meter, SPD DC, SPD AC. Changeover Switch 63A, Voltage Protocol Relay
Grounding System (Earth)	3 copper rods + clamps, 2copper bus bars 10cm width Accessories, 16mm grounding cable with lugs Betonite powder, SPD AC 2P, SPD DC 2P

## Installation

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Installation Kit	MDB, cable glands, straps, tape, labeling tape, cable Lug, heat shrink, bootlace ferrule
Service	Installation and Testing (Inverter, Battery, PV) Rewiring electric cables PM, Configuration and Acceptance

## Operating Conditions

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Ambient air pressure	Atmospheric
Air temperature	-30°C to 45°C
Service interval	> 25000 hours <i>*Cleaning the PV panel each month is recommended.</i>

## After Sale

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1 Year Unlimited Phone Support	Included
On Site System Training	Included
Site Visit Support	Included