

Solar Tracker PV-2M



Key specifications

Model:	PV-2M
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis

Performance

Rated power:	600 watt
Daily energy yield:	4-7 kWh
Annual energy yield:	700-1350 kWh

Dimensions

Length:	1984 mm
Width:	1640 mm
Area:	3.3 m ²
Weight:	100 kg

Overview

Solar Tracker PV-2M is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-2M delivers up to 70% more energy than a conventional, stationary solar panel with the same dimensions.

Panel features

- Tracker holds two 300 watt high performance Maysun solar panels featuring 18.4% efficiency.
- Generates 4-7 kWh electricity per sunny day, up to 900 kWh per year in northern Europe or up to 1350 kWh per year in southern Europe.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



Solar Tracker PV-3M



Key specifications

Model:	PV-3M
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis

Performance

Rated power:	900 watt
Daily energy yield:	7-11 kWh
Annual energy yield:	1050-2000 kWh

Dimensions

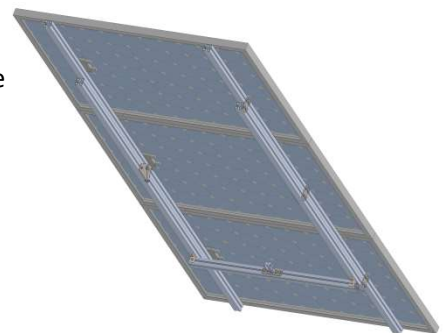
Length:	2976 mm
Width:	1640 mm
Area:	4.9 m ²
Weight:	130 kg

Overview

Solar Tracker PV-3M is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-3M delivers up to 70% more energy than a conventional, stationary solar panel with the same dimensions.

Panel features

- Tracker holds three 300 watt high performance Maysun solar pane featuring 18.4% efficiency.
- Generates 7-11 kWh electricity per sunny day, up to 1350 kWh per year in northern Europe or up to 2000 kWh per year in southern Europe.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



Solar Tracker PV-4M



Key specifications

Model:	PV-4M
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis

Performance

Rated power:	1200 watt
Daily energy yield:	9-14 kWh
Annual energy yield:	1400-2700 kWh

Dimensions

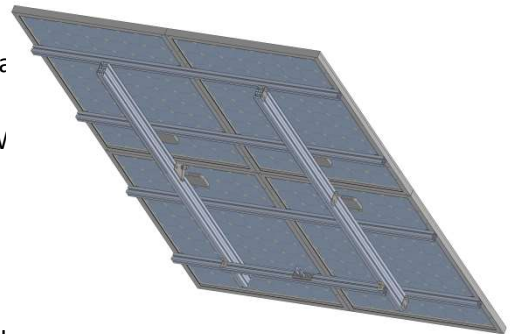
Length:	3280 mm
Width:	1984 mm
Area:	6.5 m ²
Weight:	150 kg

Overview

Solar Tracker PV-4M is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-4M delivers up to 70% more energy than a conventional, stationary solar panel with the same dimensions.

Panel features

- Tracker holds four 300 watt high performance Maysun solar panels featuring 18.4% efficiency.
- Generates 9-14 kWh electricity per sunny day, up to 1800 kWh per year in northern Europe or up to 2700 kWh per year in southern Europe.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



Solar Tracker PV-6M



Key specifications

Model:	PV-6M
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis

Performance

Rated power:	1800 watt
Daily energy yield:	14-20 kWh
Annual energy yield:	2100-4000 kWh

Dimensions

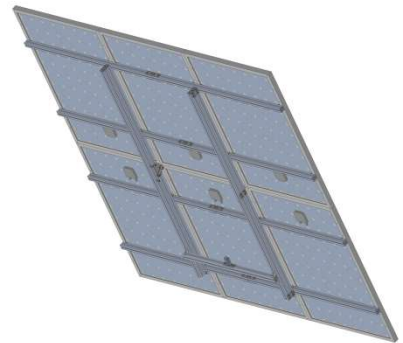
Length:	3280 mm
Width:	2976 mm
Area:	9.8 m ²
Weight:	200 kg

Overview

Solar Tracker PV-6M is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-6M delivers up to 70% more energy than a conventional, stationary solar panel with the same dimensions.

Panel features

- Tracker holds six 300 watt high performance Maysun solar panels featuring 18.4% efficiency.
- Generates 14-20 kWh electricity per sunny day, up to 2700 kWh per year in northern Europe or up to 4000 kWh per year in southern Europe.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



Heliomotion PV-6M



Key specifications

Model:	PV-6M
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Rated power:	1800 watt
Daily energy yield:	14-20 kWh
Annual energy yield:	2100-4000 kWh

Dimensions

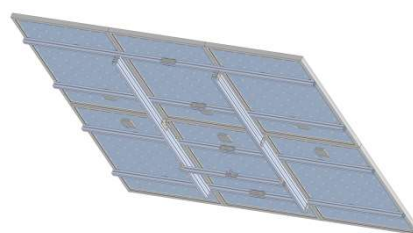
Length:	3280 mm
Width:	2976 mm
Area:	9.8 m ²
Weight:	200 kg

Overview

Heliomotion PV-6M is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-6M delivers up to 70% more energy than a conventional, stationary solar panel with the same dimensions.

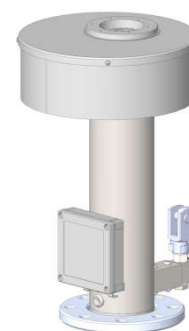
Panel features

- Tracker holds six 300 watt high performance Maysun solar panels featuring 18.4% efficiency.
- Generates 14-20 kWh electricity per sunny day, up to 2700 kWh per year in northern Europe or up to 4000 kWh per year in southern Europe.
- With an electricity cost of 0.15 €/kWh the power produced corresponds to 300-600€ in annual savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



For more information please visit www.heliomotion.com or contact us at info@heliozenit.com.

Heliomotion PV-4M



Key specifications

Model:	PV-4M
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Rated power:	1200 watt
Daily energy yield:	9-14 kWh
Annual energy yield:	1400-2700 kWh

Dimensions

Length:	3280 mm
Width:	1984 mm
Area:	6.5 m ²
Weight:	150 kg

Overview

Heliomotion PV-4M is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-4M delivers up to 70% more energy than a conventional, stationary solar panel with the same dimensions.

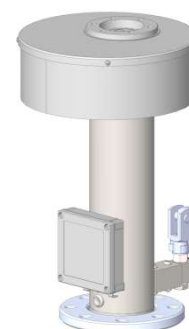
Panel features

- Tracker holds four 300 watt high performance Maysun solar panels featuring 18.4% efficiency.
- Generates 9-14 kWh electricity per sunny day, up to 1800 kWh per year in northern Europe or up to 2700 kWh per year in southern Europe.
- With an electricity cost of 0.15 €/kWh the power produced corresponds to 200-400€ in annual savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



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Heliomotion PV-3M



Key specifications

Model:	PV-3M
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Rated power:	900 watt
Daily energy yield:	7-11 kWh
Annual energy yield:	1050-2000 kWh

Dimensions

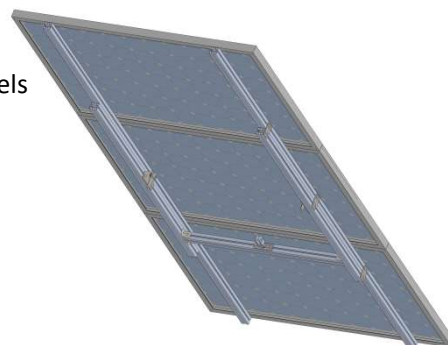
Length:	2976 mm
Width:	1640 mm
Area:	4.9 m ²
Weight:	130 kg

Overview

Heliomotion PV-3M is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-3M delivers up to 70% more energy than a conventional, stationary solar panel with the same dimensions.

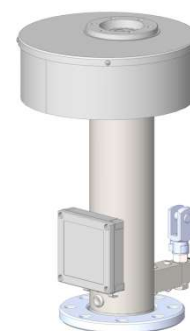
Panel features

- Tracker holds three 300 watt high performance Maysun solar panels featuring 18.4% efficiency.
- Generates 7-11 kWh electricity per sunny day, up to 1350 kWh per year in northern Europe or up to 2000 kWh per year in southern Europe.
- With an electricity cost of 0.15 €/kWh the power produced corresponds to 150-300€ in annual savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



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Heliomotion PV-2S



Key specifications

Model:	PV-2S
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Rated power:	720 watt
Daily energy yield:	5-8 kWh
Annual energy yield:	850-1600 kWh

Dimensions

Length:	2092 mm
Width:	1558 mm
Area:	3.3 m ²
Weight:	100 kg

Overview

Heliomotion PV-2S is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-2S delivers up to twice as much energy as a conventional, stationary solar panel with the same dimensions.

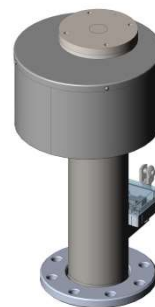
Panel features

- Tracker holds two 360 watt high performance SunPower solar panel featuring industry-leading 22.2% efficiency.
- Generates 5-8 kWh electricity per sunny day, up to 1100 kWh per year in northern Europe or up to 1600 kWh per year in southern Europe.
- With an electricity cost of 0.15 €/kWh the power produced corresponds to 130-240€ in annual savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



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Heliomotion PV-3S



Key specifications

Model:	PV-3S
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Rated power:	1080 watt
Daily energy yield:	8-12 kWh
Annual energy yield:	1300-2400 kWh

Dimensions

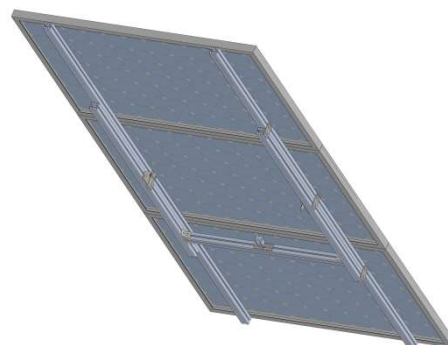
Length:	3138 mm
Width:	1558 mm
Area:	4.9 m ²
Weight:	130 kg

Overview

Heliomotion PV-3S is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-3S delivers up to twice as much energy as a conventional, stationary solar panel with the same dimensions.

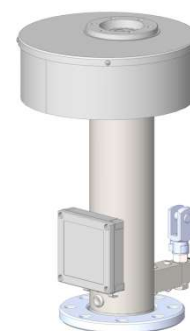
Panel features

- Tracker holds three 360 watt high performance SunPower solar panels featuring industry-leading 22.2% efficiency.
- Generates 8-12 kWh electricity per sunny day, up to 1600 kWh per year in northern Europe or up to 2400 kWh per year in southern Europe.
- With an electricity cost of 0.15 €/kWh the power produced corresponds to 200-360€ in annual savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



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Heliomotion PV-4S



Key specifications

Model:	PV-4S
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Rated power:	1440 watt
Daily energy yield:	11-16 kWh
Annual energy yield:	1700-3200 kWh

Dimensions

Length:	3116 mm
Width:	2092 mm
Area:	6.5 m ²
Weight:	150 kg

Overview

Heliomotion PV-4S is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-4S delivers up to twice as much energy as a conventional, stationary solar panel with the same dimensions.

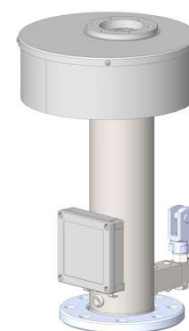
Panel features

- Tracker holds four 360 watt high performance SunPower solar panels featuring industry-leading 22.2% efficiency.
- Generates 11-16 kWh electricity per sunny day, up to 2200 kWh per year in northern Europe or up to 3200 kWh per year in southern Europe.
- With an electricity cost of 0.15 €/kWh the power produced corresponds to 250-480€ in annual savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



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Heliomotion Microgrid

Overview

In a microgrid setup, electricity producers and consumers operate synchronized to the utility grid, but can also disconnect to “island mode” and function autonomously from the utility grid.



Solar power

A group of Heliomotion units run connected to the microgrid using grid-tied inverters. The power produced reduces the need to purchase electricity and any surplus is sold to the grid. During a power outage the units continue supplying power to the microgrid.

Backup system

Solar stations paired with an array of lithium-ion batteries provide backup power during a power outage. The stations keep the batteries charged and are ready to automatically switch over to battery power in case of a power failure on the utility grid. Each station can supply up to 5000 watt power and up to 9 units can work in parallel.



Power consumers

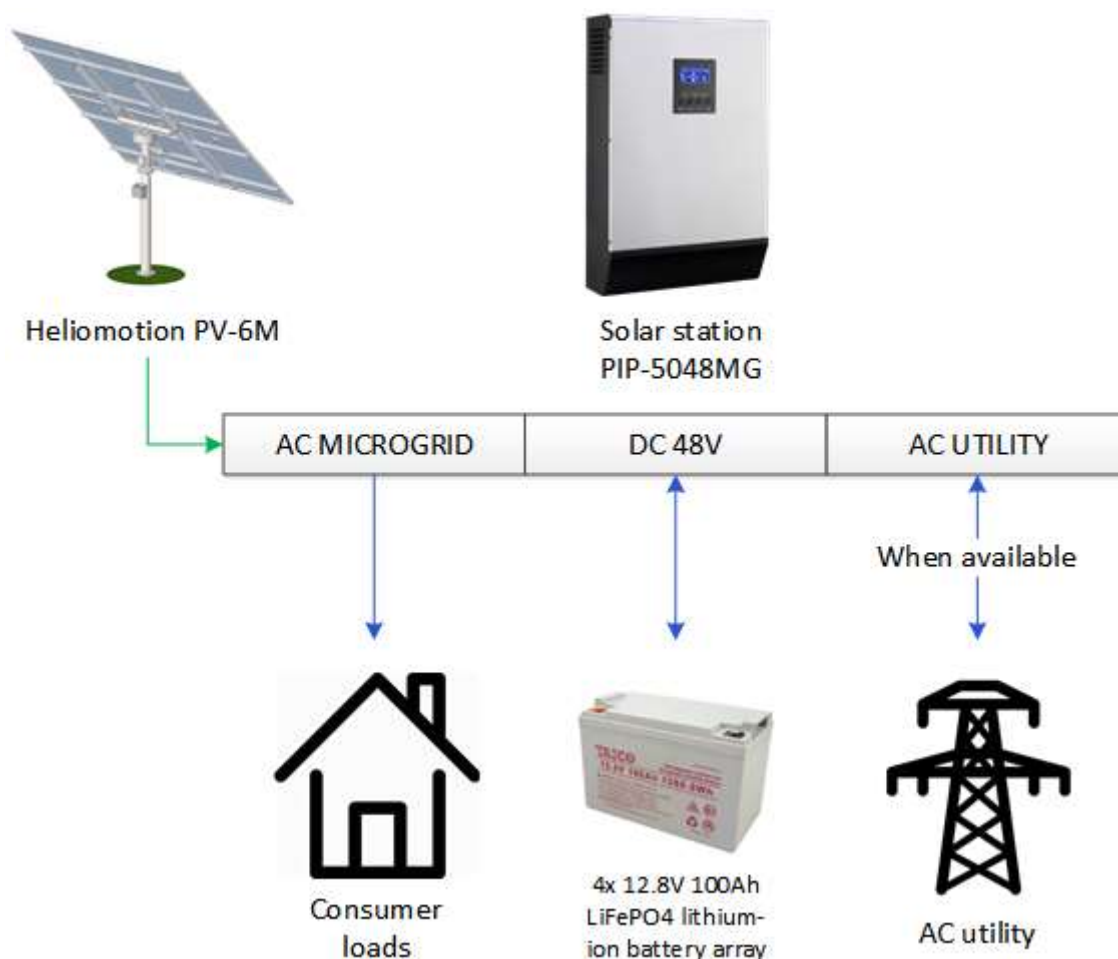
The buildings within the microgrid are supplied uninterruptable power through the solar stations which in turn are connected to the utility grid. Battery and inverter capacity can be shared between all buildings, providing the greatest amount of backup power.

For more information please visit www.heliomotion.com or contact us at info@heliozenit.com.

Heliomotion Microgrid

System overview

A microgrid can be set up for one or more households. Each household in a microgrid would typically be paired with 1x Heliomotion PV-6M, 1x Solar station PIP-5048MG, and 2x Lithium-ion batteries (2.5 kWh). Battery quantity is rounded up so their voltage becomes a multiple of 48V. There is no upper limit on the amount of solar power or battery capacity that can be connected to the microgrid. The maximum 1-phase output of multiple solar stations connected in parallel is 40000 watt.



For more information please visit www.heliomotion.com or contact us at info@heliozenit.com.

Heliomotion PV-6S



Key specifications

Model:	PV-6S
Collector type:	Photovoltaic solar panel
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Rated power:	2160 watt
Daily energy yield:	16-24 kWh
Annual energy yield:	2600-4800 kWh

Dimensions

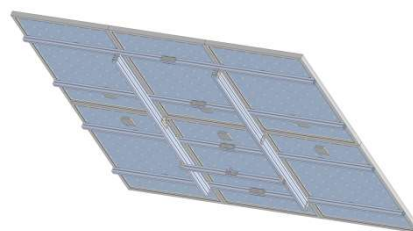
Length:	3116 mm
Width:	3138 mm
Area:	9.8 m ²
Weight:	200 kg

Overview

Heliomotion PV-6S is a high efficiency, dual-axis tracking photovoltaic solar panel for home use. By following the sun, and using high efficiency solar panels, PV-6S delivers up to twice as much energy as a conventional, stationary solar panel with the same dimensions.

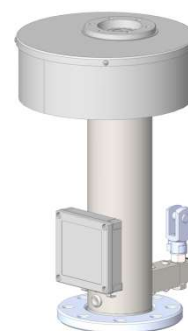
Panel features

- Tracker holds six 360 watt high performance SunPower solar panels featuring industry-leading 22.2% efficiency.
- Generates 16-24 kWh electricity per sunny day, up to 3300 kWh per year in northern Europe or up to 4800 kWh per year in southern Europe.
- With an electricity cost of 0.15 €/kWh the power produced corresponds to 390-720€ in annual savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Simple and cost efficient installation.



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Heliomotion PV-2



Key specifications

Model:	PV-2
Collector type:	Optional
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Number of panels:	2
Max panel width:	1200 mm
Max panel length:	2100 mm

Dimensions

Length:	2400 mm
Width:	1020 mm
Weight:	70 kg

Overview

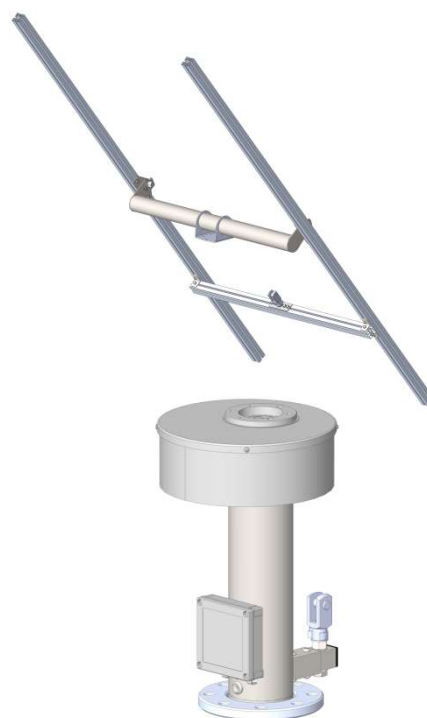
Heliomotion PV-2 is a dual-axis solar tracker for home use. The framework allows for easy mounting of two photovoltaic solar panels or thermal solar collectors. By following the sun a Heliomotion delivers 30-60% more energy than an equivalent stationary installation.

Framework features

- Sliding rails provide a flexible framework that can carry two panels of standard size.
- Framework can be tilted horizontally allowing for easy mounting of panels.
- Complete system of panel fasteners and other mounting accessories included.

Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 15° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Fast and cost efficient installation.



For more information please visit www.heliomotion.com or contact us at info@heliozenit.com.

Heliomotion PV-3



Key specifications

Model:	PV-3
Collector type:	Optional
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Number of panels:	3
Max panel width:	1200 mm
Max panel length:	2100 mm

Dimensions

Length:	2400 mm
Width:	1020 mm
Weight:	75 kg

Overview

Heliomotion PV-3 is a dual-axis solar tracker for home use. The framework allows for easy mounting of two photovoltaic solar panels or thermal solar collectors. By following the sun a Heliomotion delivers 30-60% more energy than an equivalent stationary installation.

Framework features

- Sliding rails provide a flexible framework that can carry three panels of standard size.
- Framework can be tilted horizontally allowing for easy mounting of panels.
- Complete system of panel fasteners and other mounting accessories included.

Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 20° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Fast and cost efficient installation.



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Heliomotion PV-4



Key specifications

Model:	PV-4
Collector type:	Optional
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Number of panels:	4
Max panel width:	1200 mm
Max panel length:	1700 mm

Dimensions

Length:	2400 mm
Width:	2400 mm
Weight:	80 kg

Overview

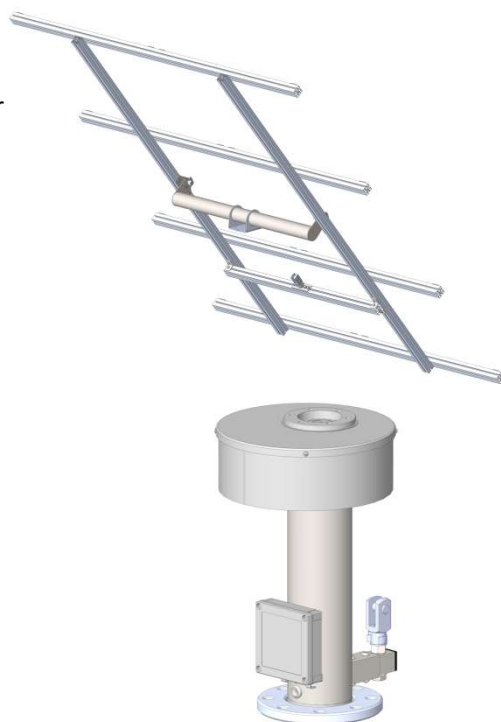
Heliomotion PV-4 is a dual-axis solar tracker for home use. The framework allows for easy mounting of four photovoltaic solar panels or thermal solar collectors. By following the sun a Heliomotion delivers 30-60% more energy than an equivalent stationary installation.

Framework features

- Sliding rails provide a flexible framework that can carry four panels of standard size.
- Framework can be tilted horizontally allowing for easy mounting of panels.
- Complete system of panel fasteners and other mounting accessories included.

Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 15° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Fast and cost efficient installation.



For more information please visit www.heliomotion.com or contact us at info@heliozenit.com.

Heliomotion PV-6



Key specifications

Model:	PV-6
Collector type:	Optional
Tracker type:	Dual-axis
Manufacturer:	HelioZenit AB

Performance

Number of panels:	6
Max panel width:	1100 mm
Max panel length:	1700 mm

Dimensions

Length:	2400 mm
Width:	3300 mm
Weight:	90 kg

Overview

Heliomotion PV-6 is a dual-axis solar tracker for home use. The framework allows for easy mounting of six photovoltaic solar panels or thermal solar collectors. By following the sun a Heliomotion delivers 30-60% more energy than an equivalent stationary installation.

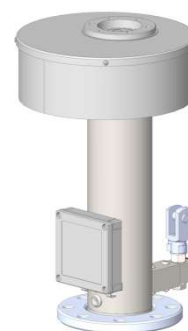
Framework features

- Sliding rails provide a flexible framework that can carry six panels of standard size.
- Framework can be tilted horizontally allowing for easy mounting of panels.
- Complete system of panel fasteners and other mounting accessories included.



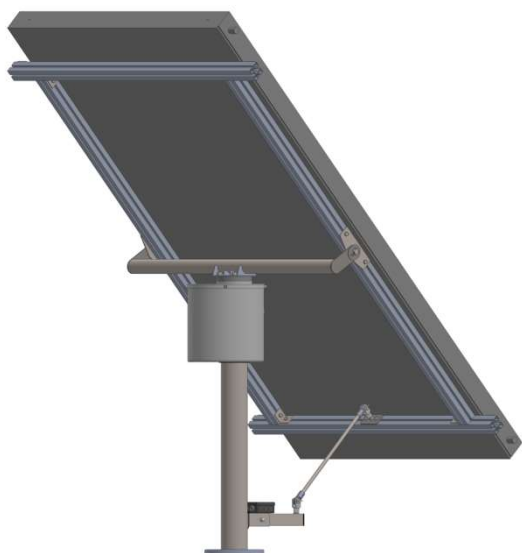
Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 15° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Fast and cost efficient installation.



For more information please visit www.heliomotion.com or contact us at info@heliozenit.com.

Heliomotion TC-1000



Key specifications

Model:	TC-1000
Collector type:	Flat plate collector
Tracker type:	Dual-axis tracker
Manufacturer:	HelioZenit AB

Performance

Peak effect (ΔT 0°):	1400 watt
Average effect (ΔT 40°):	1000 watt
Daily energy yield:	8-12 kWh

Physical specifications

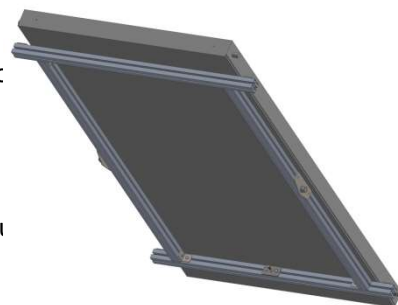
Length:	2000 mm
Width:	1060 mm
Area:	2.1 m ²
Weight:	70 kg

Overview

Heliomotion TC-1000 is a high efficiency, dual-axis tracking thermal solar collector for home use. By following the sun, and by using high efficiency collectors, the TC-1000 delivers up to twice as much energy as a same-sized stationary thermal collector.

Collector features

- The collector consists of a high performance Onnline flat plate collector to maximize the efficiency.
- Heats 150 liters of water 50°C per sunny day, the average daily consumption of a 2-3 person household.
- With an electricity cost of 0.15 €/kWh, the annual heat production of 1 to 1500 kWh in northern Europe gives up to 225 €/year in savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 15° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Equipped with automatic high temperature protection, turning the collector away to prevent overheating.



For more information please visit www.heliomotion.com or contact us at info@heliozenit.com.

Heliomotion TC-2000



Key specifications

Model:	TC-2000
Collector type:	Flat plate collector
Tracker type:	Dual-axis tracker
Manufacturer:	HelioZenit AB

Performance

Peak effect (ΔT 0°):	2800 watt
Average effect (ΔT 40°):	2000 watt
Daily energy yield:	15-22 kWh

Physical specifications

Length:	2000 mm
Width:	2200 mm
Area:	4.2 m ²
Weight:	160 kg

Overview

Heliomotion TC-2000 is a high efficiency, dual-axis tracking thermal solar collector for home use. By following the sun, and by using high efficiency collectors, the TC-2000 delivers up to twice as much energy as a same-sized stationary thermal collector.

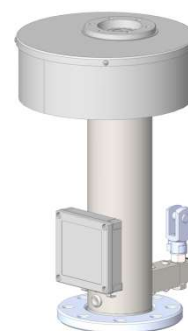
Collector features

- The collector consists of two high performance Onnline flat plate collectors to maximize the efficiency.
- Heats 300 liters of water 50°C per sunny day, the average daily consumption of a 4-6 person household.
- With an electricity cost of 0.15 €/kWh, the annual heat production of up to 3000 kWh in northern Europe gives up to 450 €/year in savings.



Tracker features

- Automatically determines sun's location from anywhere in the world using GPS and internal calculations.
- Innovative two axis design using only one actuator.
- High precision tracking to maximize energy production.
- Rotates 180° horizontally and 15° to 70° vertically.
- Reliable, low energy consumption and silent operation.
- Equipped with automatic high temperature protection, turning the collector away to prevent overheating.



For more information please visit www.heliomotion.com or contact us at info@heliozenit.com.