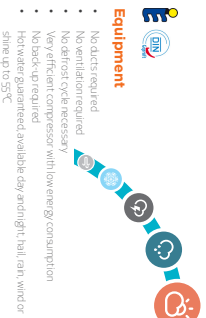


THERMODYNAMIC SOLAR SYSTEM OPERATING PRINCIPLE

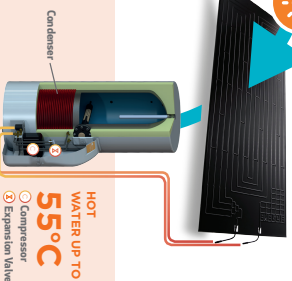
Solar Panel

- Captures heat regardless of climate.
- Primary circuit does not need to dissipate excess heat on hot days.
- Good architectural integration due to flexibility with panel location.



Equipment

- No ducts required
- No ventilation required
- No defrost cycle necessary
- Very efficient compressor with low energy consumption
- No back-up required
- Hot water guaranteed available day and night, hail, rain, wind or shine up to 55°C



DOMESTIC HOT WATER



Solar Panel

- ANODIZED ALUMINIUM, WITH HYDROPHOBIC FLEXIBLE COATING.
- LIGHT WEIGHT - ONLY 8 KILOS. EASY TO TRANSPORT AND INSTALL.
- DIMENSIONS: 2m x 0.8m x 0.02m.
- NO GLASS, RUBBER OR FRAGILE MATERIALS.
- NO RISK OF OVER HEATING.
- NO NEED TO CLEAN.
- ESTIMATED USEFUL LIFE OF 25 YEARS.
- PANEL IS MADE OF A NON-CORROSIVE ANODISED ALUMINIUM.
- HIGH RESISTANCE TO HUMIDITY.
- IT CAN BE INSTALLED FROM 10° TO 85° IN A

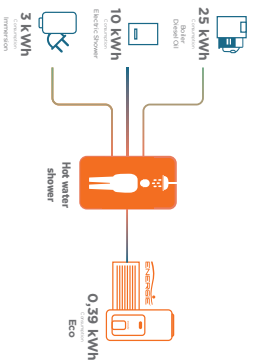
HORIZONTAL POSITION.

- PANEL CAN BE EAST, WEST OR SOUTH FACING AND DOES NOT NEED TO GO ON THE ROOF.
- THE PANEL DOES NOT LOSE ITS EFFICIENCY WITH THE OR WITH DIRT.



More information on energie.pt

Distribution of consumption to different systems



DID YOU KNOW?

That all thermodynamic solar systems only have one mechanical element that requires electricity? The element is a low energy consumption compressor and is extremely efficient. As the capacity to capture heat from the environment is primarily ensured through solar radiation, it is superior to other equipment with the same goal of refrigeration savings. The maintenance of the system is practically non-existent and it has high longevity.



SAVE UP TO

85%

Taking into account Eco200

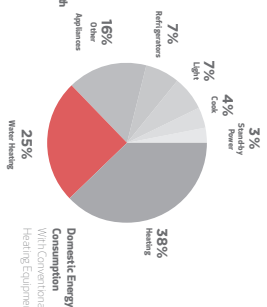
7 hours operation per day
Consumption of 0,39 kWh
Energy necessary / month: 0,39 kWh x 7h x 30 days = 81,9 kWh / month

Authorized Dealer



Address: Unit 21-22 - 20 Westfield Road,
Widened Road, L23 7TN
Telephone: 01509 300050

E-mail: info@absolutesolar.co.uk
Website: www.absolutesolar.co.uk



Domestic Energy Consumption
With Conventional
Heating Equipment

DESIGN, DEVELOPMENT
AND PRODUCTION MANUFACTURING

ENERGIE

THERMODYNAMIC SOLAR ENERGY

ECO

DOMESTIC HOT WATER

ECONOMY | COMFORT | EFFICIENCY



PROBABLY THE MOST ADVANCED
SOLAR WATER HEATER IN THE WORLD



HOT WATER
24 HOURS
A DAY

WINDY DAY
AND NIGHT
RAIN OR
SHINE

UP TO
85%
SAVINGS

THE LATEST
GENERATION
OF SOLAR
ENERGY

WORKS
WITH YOUR
PV SYSTEM

New Design

We select the best components and subject our systems to rigorous quality testing to ensure maximum customer satisfaction



What is the ENERGIE Thermodynamic Solar System?

Can I have hot water in days without sun?

Electronic Controller

ECO Operating Mode

The equipment only works as a Thermodynamic Solar System.

AUTO Operating Mode

The equipment works as a Thermodynamic Solar System and/or electrical support should the required

BOOST Operating mode

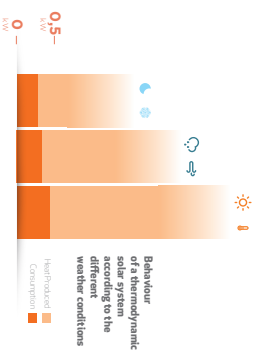
The equipment works with a Thermodynamic Solar System and electrical support simultaneously.

AUTO Operating Mode

The equipment works as a Thermodynamic Solar System and/or electrical support should it be required.

BOOST Operating mode

The equipment works with a Thermodynamic Solar System and electrical support simultaneously.



MAXIMUM
EFFICIENCY

Check warranty conditions



















PV intelligent function

Take Full advantage of your PV System

- Sets new standards of smart energy management.
- Maximize your PV Solar Panels production and reduce your Drift costs.
- Maximize the solar irradiation available by having the thermodynamic solar system working more whenever it more suitable.
- Get the balance between PV production and consumption with our intelligent controller.

With Smart PV integration included, the **ENERGIE** solar system absorbs the extra power generated by PV Panels, Wind Energy or Small Hydro storing that would be lost energy into the water enabling you to save even more.

List of equipment from the range

Model	No. of Pivots	Thermal Power [Watt/h]	Power Consumption [W/Avg]	Electrical Supply V/Hz	Even Call	Lures	No. of People	EP Class	Tapping Profile
Eco250i	1 □	2900	390	250V/50		250	4	A+	XL
Eco300i	1 □	2900	390	250V/50		300	5	A+	XL
Eco250ix	1 □	2900	390	250V/50		250	4	A+	XL
Eco300ix	1 □	2900	390	250V/50		300	5	A+	XL
Eco250ix	1 □	4500	595	250V/50		250	5	A+	XL
Eco300ix	1 □	4500	595	250V/50		300	6	A+	XL
Eco300ix	1 □	4500	595	250V/50		450	9	A+	XL
Eco250ix	1 □	4500	595	250V/50		250	5	A+	XL
Eco300ix	1 □	4500	595	250V/50		300	6	A+	XL
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Eco300ix	1 □	4500	595	250V/50		450	9	A+	XL
Eco300ix	1 □	4500	595	250V/50		250	5	A+	XL
Eco300ix	1 □	4500	595	250V/50		300	6	A+	XL
Eco300ix	1 □	4500	595	250V/50		450	9	A+	XL

1 (Sales Steel) | 5 (2 Solar Panels) | x (Supplementary Coil)



Thermodynamic Solar Panel 1

- 2. Ceramic Block
- 3. PV Panels
- 4. Inverter