



DESIGN, DEVELOPMENT  
AND EUROPEAN MANUFACTURING

**ENERGIE**<sup>®</sup>  
THERMODYNAMIC SOLAR ENERGY

**— ECOTOP —**  
DOMESTIC HOT WATER  
ECONOMY | COMFORT | ECOLOGY

**PROBABLY THE MOST ADVANCED SOLAR  
WATER HEATER IN THE WORLD**



**HOT WATER  
24 HOURS  
A DAY**

**ANTI-LEGIONELLA  
FUNCTION**

**UP TO  
85%  
ECONOMY**

**THE LATEST  
GENERATION  
OF ENERGY  
SOLAR**

**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



# MADE IN EUROPE

## MAXIMUM PRODUCTIVITY WITH SOLAR PERFORMANCE



- HEAT IS CAPTURED IN THE FORM OF SOLAR RADIATION, ENVIRONMENTAL TEMPERATURE, RAIN, WIND AND EVEN SNOW.
- THE HEAT PRODUCED ON COLDER DAYS, EVEN AT NIGHT IS SUFFICIENT TO PRODUCE THE WATER TEMPERATURE DESIRED.
- THE SOLAR PANEL IS LIGHT, DISCREET AND VERSATILE IN TERMS OF WHERE TO PUT IT.
- OUTSIDE CYLINDER CONDENSER (NO CONTACT WITH WATER).
- 3RD GENERATION THERMODYNAMIC SOLAR ENERGY.
- HOT WATER UP TO 55°C AVAILABLE 24H PER DAY.
- LOW MAINTENANCE.
- THE ENERGY CONSUMPTION OF THE EQUIPMENT IS REDUCED DUE TO A SUPER EFFICIENT COMPRESSOR.
- NO DEFROST CYCLE.
- VERSIONS WITH 1 OR 2 THERMODYNAMIC SOLAR PANELS.
- ENAMELLED OR STAINLESS STEEL CYLINDER.
- WITH OR WITHOUT SUPPLEMENTARY COIL.

## 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 it be required.

### BOOST Operating mode

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



Check warranty conditions



## MAXIMUM EFFICIENCY

## PV intelligent function

With PV Smart Grid Ready, the ENERGIE Solar System absorbs the extra power generated by PV Panels, Wind Energy or Small Hydro storing what would be lost energy, into the water, enabling you to save even more.

- 1 Thermodynamic Solar Panel
- 2 DWH Cylinder
- 3 Thermodynamic Block
- 4 PV Panels
- 5 Inverter



## List of equipment from the range

Model	No. of Panels	Stainless Steel	Thermal Power W(Med/Max)	Power Consumption W(Med/Max)	Electrical Supply V/Hz	Extra Coil	Liters	No. of People	ErP Class	Tapping Profile	Ø/height (mm)
Ecotop200i	1	x	1250 2100	350 600	220-240/50		200	4	A+	L	580/1720
Ecotop250i	1	x	1250 2100	350 600	220-240/50		250	4	A+	XL	580/1900
Ecotop200ix	1	x	1250 2100	350 600	220-240/50		195	4	A+	L	580/1720
Ecotop250ix	1	x	1250 2100	350 600	220-240/50		245	4	A+	XL	580/1900

(Stainless Steel) | x (Extra Coil)

SAVE UP TO

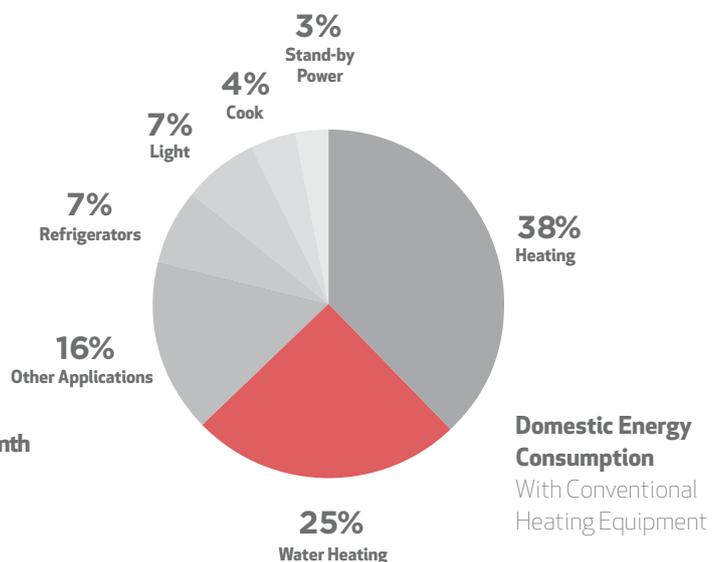
# 85%

Taking into account Ecotop250

7 Hours operation per day

Consumption of 0.39 kW/h

Energy necessary / month: 0.39 kW x 7 h x 30 days = 81.9 kWh / month



# THERMODYNAMIC SOLAR SYSTEM OPERATING PRINCIPLE

## Solar Panel

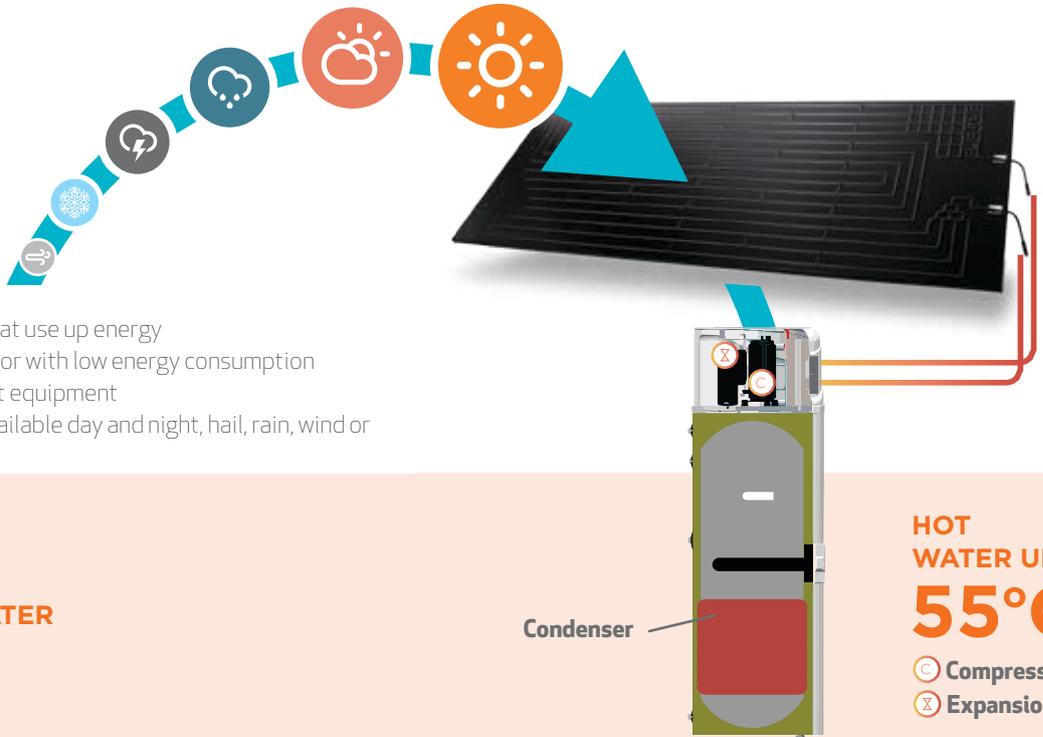
- Captures heat regardless of climate.
- Primary circuit does not need to dissipate excess heat on hotter days.
- Easy integration with architecture, versatile, no visual impact.



Solar Panel Registration 011-75888F

## Equipment

- Without ducts
- Without ventilators
- Without defrost cycles that use up energy
- Super efficient compressor with low energy consumption
- No need to install support equipment
- Hot water guaranteed, available day and night, hail, rain, wind or shine up to 55°C



HOT WATER UP TO **55°C**

- ⊙ Compressor
- ⊗ Expansion Valve

## DOMESTIC HOT WATER



Informação mais detalhada em [energie.pt](http://energie.pt)



Authorized Dealer

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