



DESIGN, DEVELOPMENT  
AND EUROPEAN MANUFACTURING



## — ECOTOP —

DOMESTIC HOT WATER

ECONOMY | COMFORT | EFFICIENCY

PROBABLY THE MOST ADVANCED SOLAR  
WATER HEATER IN THE WORLD



### 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 GAIN



- 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 VERY EFFICIENT COMPRESSOR.
- NO DEFROST CYCLE.
- VERSIONS WITH 1 OR 2 THERMODYNAMIC SOLAR PANELS.
- 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 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.

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



## List of equipment from the range

Model	No. of Panels	Enameled	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)
Eco 100esm	1	x		1250   2100	350   600	220-240/50		100	2	A+	M	520/1275
Eco 200i	1			1250   2100	350   600	220-240/50		200	4	A+	L	580/1720
Eco 250i	1		x	1250   2100	350   600	220-240/50		250	4	A+	XL	580/1900
Eco 300i	1		x	1250   2100	350   600	220-240/50		300	5	A+	XL	650/1835
Eco 200ix	1		x	1250   2100	350   600	220-240/50		195	4	A+	L	580/1720
Eco 250ix	1		x	1250   2100	350   600	220-240/50		245	4	A+	XL	580/1900
Eco 300ix	1		x	1250   2100	350   600	220-240/50		295	5	A+	XL	650/1835
Eco 250is	2		x	2800/4550	595/890	220-240/50		250	5	A+	XL	580/1900
Eco 300is	2		x	2800/4550	595/890	220-240/50		300	6	A+	XL	650/1835
Eco 250isx	2		x	2800/4550	595/890	220-240/50		245	5	A+	XL	580/1900
Eco 300isx	2		x	2800/4550	595/890	220-240/50		295	6	A+	XL	650/1835

esm (enameled) | i (Stainless Steel) | s (2 Solar Panels) | x (Extra Coil)





# THERMODYNAMIC SOLAR SYSTEM OPERATING PRINCIPLE

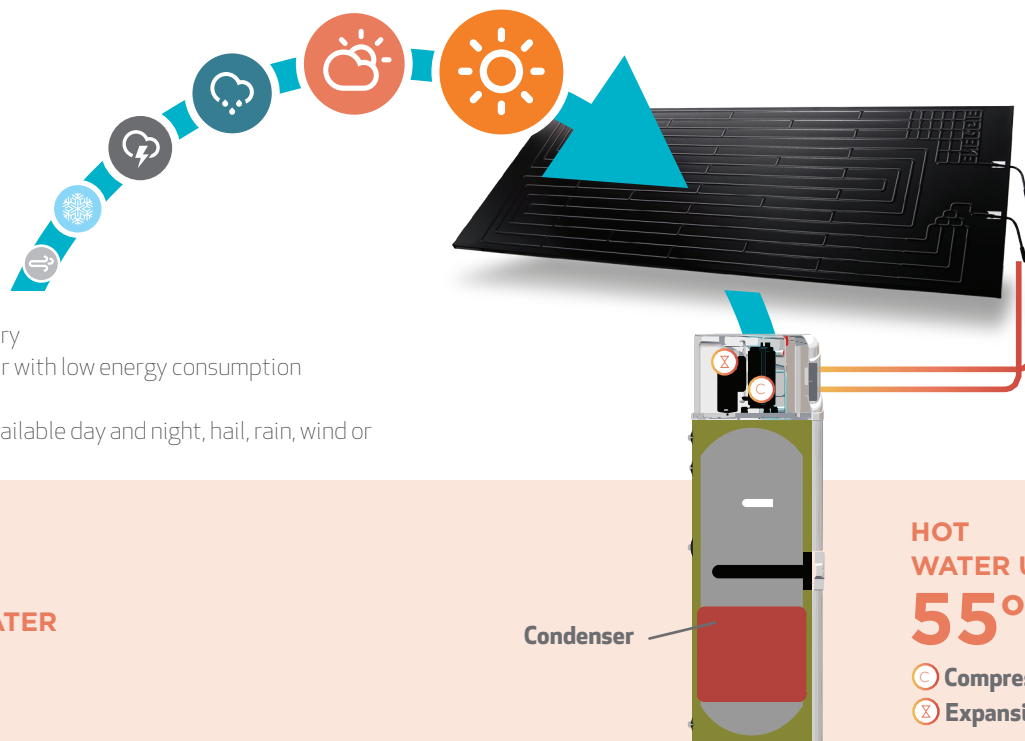
## Solar Panel

- Captures heat regardless of climate.
- Primary circuit does not need to dissipate excess heat on hotter 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

Condenser

HOT  
WATER UP TO  
**55°C**

C Compressor  
X Expansion Valve



More detailed information on  
**energie.pt**



Authorized Dealer



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