

# Future Generation Energy



**HOT WATER - ALL WEATHER - NIGHT AND DAY**  
**Domestic and Commercial Applications**



**EXPLOITING A FREE SOURCE OF NATURAL  
CLEAN, INEXHAUSTIBLE...ENERGY**

**And it covers 100% of your hot water  
needs 365 days a year.**



**Save Energy &  
Reduce Heating Costs  
by up to 80%  
with The Only Solar Panel  
that heats water  
even AT NIGHT  
& Without Sunlight.**

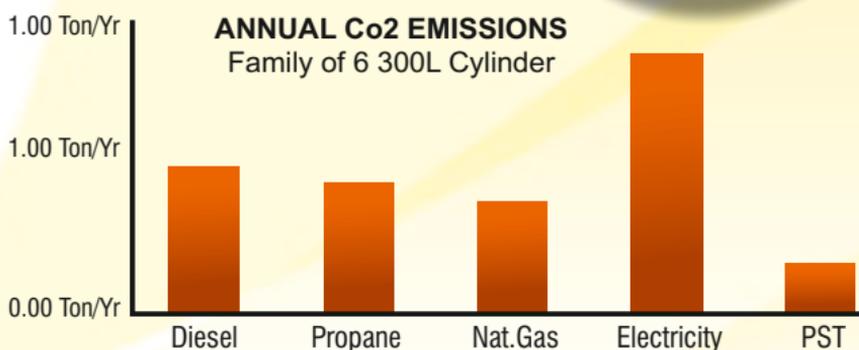
# USE ENERGY EFFICIENTLY

## FUTURE GENERATION ENERGY (FGE) Technology

has overcome the limits of the traditional solar systems which only rely on direct solar radiation.

## ECOLOGICAL

FGE with its innovating technology, takes care of our planet by reducing air pollution by day and by night.



## RELIABLE & EFFICIENT

The PST Panel is manufactured under strict quality control standards, made of anodized aluminium 30 micron which confers it a long lifespan of more than 25 years and a resistance to corrosion and to the most adverse weather conditions.

**They work efficiently even in the absence of sun, day and night, and all year round.**

### GUARANTEE

5 years: panel

2 years: cylinder

2 years: thermodynamic block

PST 300 Model  
Average Running Cost  
per Person per Year  
= €50.00





# The Benefits of Future Generation Energy (FGE) Domestic & Commercial Hot Water Systems

## ECONOMICAL

-Obtain 100% of your hot water through a natural source without using an electrical resistance, provided the exterior temperature is above 0 degrees C.

-Practically non-existent maintenance, unnecessary annual service checks, thanks to their high quality components, which gives our clients peace of mind and no extra costs.

IMPROVE YOUR FAMILY'S ECONOMY OBTAINING IMPORTANT ANNUAL SAVINGS.

Lower your monthly utility bills:

Energy Consumption: Annual energy consumption with a solar PST 300 litres Cylinder, suitable for a family of 6.

## VERSATILE

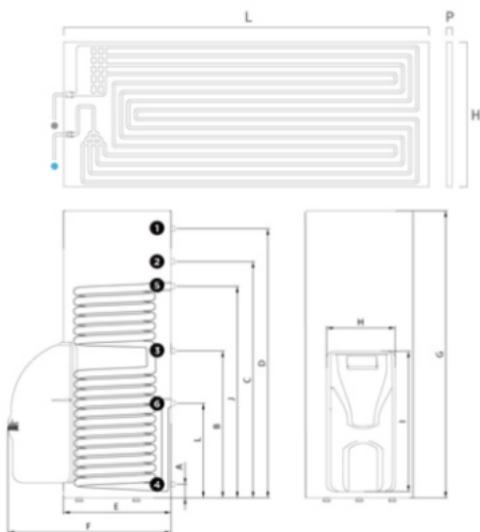
-Aesthetically adaptable to any architectural construction.

No assembly limitations: reduced dimensions of the panel 2m x 0.80m which allows it to be placed anywhere (roof, façade, garden, etc.)

-Easily and quickly adaptable to the houses conventional system (gas/oil boiler, natural gas, etc) without any previous preparation.

-Practical installation system in less than one day.





## PST 300 KIT COMPONENTS

- Double thermodynamic Solar Collector.
- Cylinder of 300 Litres.
- Thermodynamic Block (compressor included).
- Immersion Heater Backup.
- Gasket with control panel included.
- Brackets kit made of aluminium.
- Security valve.
- Pressure reducing valve.
- Stainless steel bolt kit.
- Extra coil for Central Heating
- Dimensions = 1390mm height x 650mm width.

## ECO BOX TECHNICAL FEATURES

Max Thermal Power	W	2200
Max Electric Power Consumed	W	490
Voltage / Frequency	V / Hz	230/50-60
Atmospheric Temperature Range	°C	-2 to 42
Fluid	Type / kg	R134a / 0,8
Max DHW Temperature (with Thermodynamics)	°C	50
Solar Box Packaging Dimensions	H x W x D	400 x 470 x 400
Maximum Working Pressure	bar	6
Cold Water Input Connection	inch	1/2
Hot Water Output Connection	inch	1/2
Thermodynamic Panel Weight	kg	8
Thermodynamic Panel Packaging Dimensions	H x W x D	2200 x 810 x 30
Thermodynamic Panel Input   Output Connections(thread)	inch	1/4   3/8
Thermodynamic Unit Input   Output Connections(thread)	inch	1/2   1/2

# SOLAR PST ECO BOX



## ECOSOLAR BOX

**A retrofit system uses existing hot water tank**

The FGE Ecosolar box is a hot water retrofit system that makes use of an existing insulated hot water cylinder to reduce the cost of the latest in hot water heating technology.

### **The Ecosolar box – what is it ?**

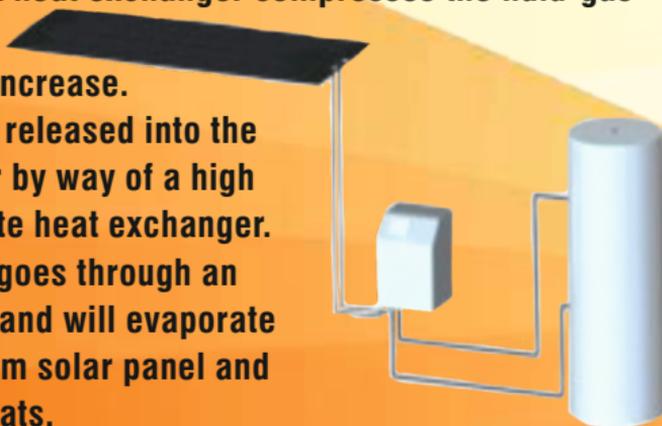
Obtain all the benefits of our larger systems, but without the expense of a new and large hot water cylinder. It's not for every application but if your existing cylinder is of the right specification then you could save money by choosing the FGS Ecosolar box.

### **How does the Ecosolar box work?**

Eco-Box-Diagram-300x129. We will visit your home or premises and conduct a site survey. This survey will allow us to specify the correct system for you. Typically we will install a thermodynamic panel or panels on the roof of your house or premises and a heat exchanger unit (the white box pictured above) in a discreet location close to the panel. A refrigerant gas passes through the thermo panel and collects heat energy from rain, wind and sun.

The Ecosolar box heat exchanger compresses the fluid-gas and causes the temperature to increase.

This heat is then released into the circulating water by way of a high performance plate heat exchanger. Finally, the fluid goes through an expansion valve and will evaporate into the aluminium solar panel and the process repeats.



# THE BENEFITS



- Save up to 80% on your water heating bills.
- Hot water 365 days a year.
- Very low running costs.
- Minimal maintenance.
- Guarantees Hot Water for up to 6 people every day.
- The only panel that can extract energy from the Wind, Rain & Sun.
- It will replace your existing hot water system.
- Short payback time.

**FOR FURTHER INFORMATION**

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