

NEO250i/im NEO180im

- HSW
- HSW Large Volumes



Smart Wifi controller. Monitor and control the system from anywhere with our app.



Hot sanitary water thermodynamic solar system

HSW all year long with no need of backup.



NEO smart a greatest innovation!

The revolution of our thermodynamic system is very simple. There is no need of sun. It also works at night, in all weather conditions even indoors for an uncomparable performance.

● How does NEO250i/im NEO180im smart work?

A refrigerant fluid at -10 °C circulates through the panel catching the heat of the ambience and transports it to an exchanger which transfers that heat to the water raising the temperature up to 55°C. Certified European technology.

● A challenge to other systems

NEOsmart is the most profitable system in the market, its high efficiency allows us to recover 6 times the amount of energy consumed: COP up to 6 (90% of the energy savings).

● Very low CO2 emissions

NEO smart works all year long, with no need of sun and under any atmospheric condition

- 100% water needs fulfilled
- One single NEO is enough even during winter time
- Versatile. Panel can be placed anywhere in the house. On the roof, on façades, in the garden, etc.

High annual performance COP from 2,5 to 6

- The latest certified and recognized solar technology
- Double surface catchment
- Energy saving up to 90%!

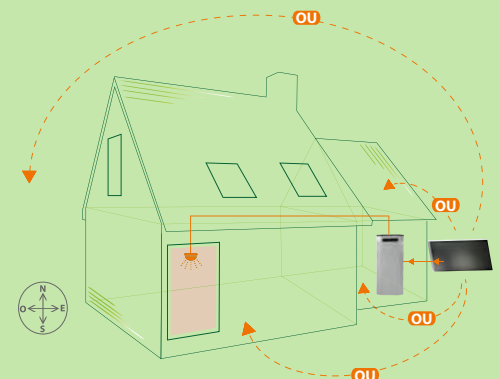
Concerned about the environment

- A clean and inexhaustible energy source.
- Ecofriendly refrigerant fluid R134a.

Comfort & quietness

- High quality system
- Very low noise level
- Stylish design
- Small dimensions
- Light and stepping panel. Easy and quick installation
- Maintenance is not needed

The versatility of this thermodynamic solar panel allows us to place it anywhere in the house



Technical specifications		NEO250i/im	NEO180im
Water heater storage			
Dimensions (LxH)	mm	1860x560mm	1600x560 mm
Dry weight	Kg	76	67
Volume	Litres	250	180
Type of internal protection		Stainless steel	
Cathodic protection		Magnesium anode	
Connexions hydraulique (froide/chaude)			
Hydraulic joints	Inch	¾ Female	
Maximum pressure	Bar	7	
Test pressure	Bar	10	
Max. water temperature	°C	70	
Water temperature	°C	55	
Solar coil (inlet/outlet)	Inch	1	
Thermodynamic solar panel			
Material		Solokote anodized aluminium	
Dimensions (LxHxW)	Mm	1700x800x20	
Maximum working pressure	Bar	12	
Test pressure	Bar	15	
Maximum exposure temp	°C	120	
Minimum running temp	°C	-5	
Minimum exposure temp	°C	-40	
Thermodynamic unit			
Absorbed power	W	390-590	
Thermal power	W	1690-2900	
Electrical support	W	1500	
Compressor type		Hermetic	
Noise level	Db	39	
Cooling couplings			
Refrigerant liquid	Grams	R134a	900
Piping material		Copper (DHP ISO1337)	
Liquid line	Inch	1/4	
Aspiration line	Inch	3/8	
Electric board			
Power	V/Hz	230 monofase/50	
Compressor fuse	A	10	
General fuse	A	10	



Certified:
EN12975

Easy installation

- Very light (6,2 kg) and ultra flat (s: 2 cm) panel
- Structural reinforcements are not required
- Less than 8 hours to install a unit

Versatile

- Slope from 0 to 90°
- South orientation is not a must

Strapping & quality

- Long lifespan (25 years)
- Resistant to low and high temperatures
- Shock proof surface
- Resistance to abrasion and wear
- High protection against moisture and dust
- High corrosion resistance

Low power consumption (390 W)

Smart wifi controller. Compatible with Alexa and Google home

GreenCom
by PowerTech

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