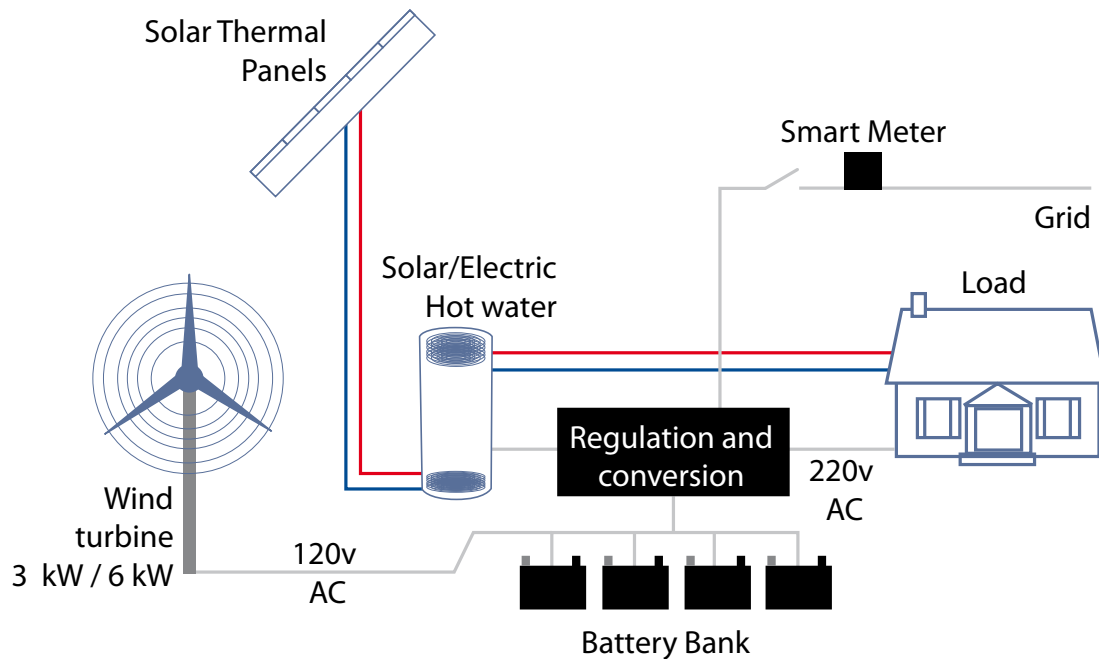


# MICROGENERATION

Heat and electric power solutions from wind and sun



## OVERVIEW

## PRODUCTS



We can provide and install tailor made systems to suit your needs. We offer stand alone wind or solar systems, or combined systems for some or all your electricity and hot water requirements.

### Wind Turbines for Generating Electricity

Our wind turbine systems contain everything you need in order to generate electricity for your home. We supply Bornay's Inclined Turbines. See link for turbine specifications.

These turbines are:

- Manufactured under strict quality control systems
- Designed and built based on 30 years of experience
- Durable, high quality materials, protected with bi-chromatic processes and painted with a special anti corrosive coating.
- The blades are built using fibreglass and carbon fibre, giving excellent function, performance and endurance
- 2 year manufacturers guarantee
- Grid connection optional



### Solar Flat Panel Hot Water & Central Heating System

Our solar system contains everything you need in order to generate both hot water and central heating. It can be easily integrated with conventional central heating boilers, solid fuel or electricity. We supply the TISUN Flat Panel Solar Collectors. See link for panel and tank specifications.

- 5 year warranty for solar collectors and water heating tank
- Matched components give better efficiency and performance (save up to 60% of your fuel costs)
- Simple installation of collectors with different mounting sets for in-roof, roof mounted, parallel and free standing installation
- Robust and resilient construction
- Maintenance free (our systems are designed for continuous operation under the harshest conditions).



Contact [info@organicpower.ie](mailto:info@organicpower.ie) for further information or a tailor made quote.

# WIND ENERGY

## House < 200m<sup>2</sup>

### Equipment

Inclin 3000 Wind Turbine & regulator	5,895
10m Tower	1,195
Phoenix 3KW Inverter, 120V, 60Hz	1,955
Electrical Regulator Equipment & Metres	2,500
Cables & ducting	500
Total Equipment Cost ex VAT	12,045
Total Equipment Cost incl VAT	14,575

### Installation

Electrician (wiring of wind turbine, batteries and switching only)	1,615
Builder (foundation, tower & turbine installation)	2,075
Ducting	1,240
Total Installation Cost ex VAT	4,930
Total Installation Cost incl VAT	5,965

Total Cost Equipment & Installation (ex VAT)	16,975
Total Cost Equipment & Installation (incl VAT)	20,540

## House > 200m<sup>2</sup>

### Equipment

Inclin 6000 Wind Turbine & regulator	9,995
10m Tower	1,195
Phoenix 3KW Inverter, 120V, 60Hz	1,955
Electrical Regulator Equipment & Metres	2,500
Cables & ducting	1,900
Total Equipment Cost ex VAT	17,545
Total Equipment Cost incl VAT	21,230

### Installation

Electrician (wiring of wind turbine, batteries and switching only)	1,615
Builder (foundation, tower & turbine installation)	2,075
Ducting	1,240
Total Installation Cost ex VAT	4,930
Total Installation Cost incl VAT	5,965

Total Cost Equipment & Installation (ex VAT)	22,475
Total Cost Equipment & Installation (incl VAT)	27,195

# SOLAR THERMAL ENERGY

## SUN ENERGY HOT WATER ONLY

TiSun FM-S Solar Collectors (2 x 2.55m<sup>2</sup> = 5.1m<sup>2</sup>)  
TiSun BE 300L Twin Coil Tank including spherical solar heat exchanger and insulation  
FlowCon S solar station  
50L Pre mixed Tyfocor LS antifreeze  
40L expansion Vessel  
Expansion Vessel Connector  
Domestic Hot water mixing / blending valve

Equipment Cost	3,427	
Mounting Brackets	240	
Piping	720	
Total Equipment Cost	4,387 ex VAT	5308 incl VAT
Installation	1,650 ex VAT	2000 incl VAT
Total System Cost Including Installation	6,037 ex VAT	7,308 incl VAT

## SUN ENERGY (CENTRAL HEATING & HOT WATER SYSTEM)

TiSun FM-S Solar Collectors (4 x 2.55m<sup>2</sup> = 10.2m<sup>2</sup>)  
TiSun FS 500L Combination Tank including spherical solar heat exchanger and insulation  
FlowCon S solar station  
50L Pre mixed Tyfocor LS antifreeze  
40L expansion Vessel  
Expansion Vessel Connector  
Domestic Hot water mixing / blending valve

Equipment Cost	6,256	
Mounting Brackets	480	
Piping	940	
Total Equipment Cost	7,676 ex VAT	9,288 incl VAT
Installation	1,650 ex VAT	2000 incl VAT
Total System Cost Including Installation	9,326 ex VAT	11,288 incl VAT

# COMBINED SOLAR AND WIND ENERGY

## House > 200m<sup>2</sup>

### Equipment

Inclin 6000 Wind Turbine & regulator	9,995
10m Tower	1,195
Phoenix 3KW Inverter, 120V, 60Hz	1,955
Electrical Regulator Equipment & Metres	2,500
Cables & ducting	1,900
TiSun Flat Panel Solar Collectors (10.2m2) & Combination Tank & Accessories	6,256
Mounting brackets for solar panels	480
Piping for solar collectors	940
<b>Total Equipment Cost ex VAT</b>	<b>25,221</b>
<b>Total Equipment Cost incl VAT</b>	<b>30,517</b>

### Installation

Electrician (wiring of wind turbine, batteries and switching only)	1,615
Builder (foundation, tower & turbine installation)	2,075
Ducting	1,240
Solar Installation	1,650
<b>Total Installation Cost ex VAT</b>	<b>6,580</b>
<b>Total Installation Cost incl VAT</b>	<b>7,962</b>

<b>Total Cost Equipment &amp; Installation (ex VAT)</b>	<b>31,801</b>
<b>Total Cost Equipment &amp; Installation (incl VAT)</b>	<b>38,479</b>

### Notes:

Individual quotes will be prepared based on your actual electrical and hot water consumption.

Prices will vary depending on distance of wind turbine to the house as this will affect cable size and length.