




# Company Profile

 [www.onticenergy.co.bw](http://www.onticenergy.co.bw)

Reg No BW00000978338

# About Us

Ontic Energy (PTY) LTD is a 100% Botswana citizen owned company Incorporated under the Companies Act of the Republic of Botswana in August 2018. We are your dependable distributor of general supplies.

Our products are mainly targeted at both commercial/industrial and individual /domestic clientele which includes institutions, government departments, private companies, parastatals, electrical shop resellers, contractors, Non-Governmental Organisations, hotels as well as individuals

## Our Mission

To equip our clients with high quality products and services while maintaining honesty, integrity and providing excellent customer service. We aspire to meet all our customer demands in order to ensure our mutual benefits and growth. We will strive to implement a long-term relationship with our clients, based on safety, quality, timely service and being proactive. To help fulfil this mission, we will treat all employees fairly and involve them in the quality improvement process to ensure responsiveness and cost-effective work execution

## Our Vision

To become the leading supplier of best quality products in Botswana, as a professional supplier that continually exceeds our customer's expectations. We will operate our company with a team effort in a professional, friendly and efficient customer service



# Our Values

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We offer high Quality products:

We are committed to sourcing only the best quality products to our clients, guaranteeing they receive the most value.

Customer centric:

We put the customer at the forefront of everything we do. We strive to exceed their expectation in quality, on time delivery and personal communication.

We pursue Excellence in everything we do:

We are committed to achieving consistent superior performance exceeding meeting objectives, needs and expectations.

Teamwork:

we achieve more when we collaborate and all work together.

Integrity:

we build trust through responsible actions and honest relationships

# Our Products

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- Solar Water Heaters (geysers) manufactured by Planet Sol
  - Stainless steel fittings, valves, pipes and sheets
  - Water conditioners
  - Stiebel Eltron Hand dryers
  - Steam pipes and fittings
- Refrigeration Equipment, Spares & Accessories

# What We Supply

## Solar Hot Water Heater Systems

(also known as Solar Thermal) are a renewable energy source that harness heat from sunlight by capturing energy which is radiated by the sun within solar panels or collectors. Solar Water Heating is not to be confused with Solar PV (Photovoltaic), which is designed to generate electricity.

Main components of solar water heater system are;

- SOLAR COLLECTOR (TO COLLECT SOLAR ENERGY)
- INSULATED TANK (TO STORE HOT WATER)
- SUPPORTING/MOUNTING STAND
- CONNECTING PIPES

## NOTE

Our solar collectors are produced under European Standards. They can be easily installed for all applications, such as solar water heater systems, forced circulation systems, etc. Solar water heater system with selective collector. Elegant design, high certified quality. Complete solution ready for installation.

## How a Solar Water Heater works:

Solar water heaters come in a wide variety of designs, all including a collector and storage tank, and all using the sun's thermal energy to heat water. Solar water heaters are typically described according to the type of collector and the circulation system.

Our solar water heaters are a Closed-loop, or indirect system, which means they use a non-freezing liquid (glycol) to transfer heat from the sun to water in a storage tank. The sun's thermal energy heats the fluid in the solar collectors. Then, this fluid passes through a heat exchanger in the storage tank, transferring the heat to the water. The non-freezing fluid then cycles back to the collectors.

## Applications Of Solar Water Heater

Water heating is one of the most cost-effective uses of solar energy. Every year, several thousands of new solar water heaters are installed worldwide. Solar water heaters can be used for homes (residential), schools, community centres, hospitals, hotels, restaurants, dairy plants, canteens, hostels, industry etc. Use of solar water heater can curtail electricity or fuel bills considerably.



# What We Supply



## Solar water heaters (Geysers)- Planet Sol

120LT WITH VERTICAL SELECTIVE COLLECTOR 1,51M<sup>2</sup>

### Tank Specifications:

Outer cover: metallic outer cover in grey colour  
Inner tank: Steel sheet EN 10130AIDCP 3.00mm thickness. Inner tank coating made of double liquid enamel processed at 860° C (glass) according DIN4753

Dimensions: 520mm x 1050mm

Heat exchanger: jacket type, of the same material and thickness of 2.00mm  
Insulation: of expanded P.U. CFC free of high density 52kg/m<sup>3</sup>, 60mm thickness

Working pressure: 10 bar

### Collector Specifications:

Dimensions: (length x height x width): 1009mm x 1501mm x 85mm

Case made of aluminium profile

Aluminium rear cover

Heavy duty absorber copper tubes laser welded to the absorbing plate for instant heat transmission.

Aluminium absorbing plate 0.5mm coated with Chrome-Nickel blue selective layer.

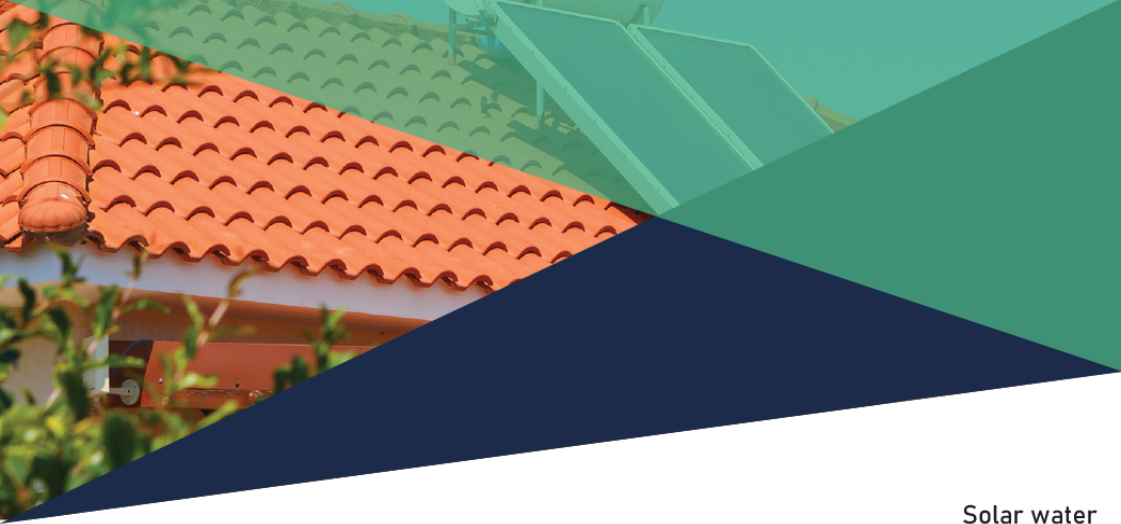
Solar irradiation absorbance factor  $a \geq 0.95 \pm 2\%$  and reflection  $e \leq 0.5 \pm 2\%$

Insulation with rockwool and glass fibre wool of density 80kg/m<sup>3</sup> and 30kg/m<sup>3</sup> accordingly, ensuring high performance and minimum heat loss.

Tempered glass front cover low iron 4mm thickness ensuring durability and high transparency factor.

The system includes: corrosion protection with Mg rod – electrical element 1.5kw till 4kw – closed circuit valve 3 bar – safety valve 10 bar / non return valve – accessories and transitions connectors – antifreeze

Frame: Mounting structure from hot galvanized steel 2.00mm thickness



## Solar water heaters (Geysers)- Planet Sol

### 160LT WITH VERTICAL SELECTIVE COLLECTOR 2,00M<sup>2</sup>



#### Tank Specifications:

Outer cover: metallic outer cover in grey colour  
 Inner tank: Steel sheet EN 10130AIDCP 3.00mm thickness. Inner tank coating made of double liquid enamel processed at 860° C (glass) according DIN4753  
 Dimensions: 520mm x 1300mm  
 Heat exchanger: mantel type, of the same material and thickness of 2.00mm  
 Insulation: of expended P.U. CFC free of high density 50kg/m<sup>3</sup>, 60mm thickness  
 Working pressure: 10bar

#### Collector Specifications:

Dimensions of vertical collector: (length x height x width): 1000mm x 2000mm x 85mm  
 Case made of aluminium profile  
 Aluminium rear cover  
 Heavy duty absorber copper tubes laser welded to the absorbing plate for instant heat transmission.  
 Aluminium absorbing plate 0.5mm coated with Chrome-Nickel blue selective layer.  
 Solar irradiation absorbance factor  $a \geq 0.95 \pm 2\%$  and reflection  $e \leq 0.5 \pm 2\%$   
 with rockwool and glass fibre wool of density 80kg/m<sup>3</sup> and 30kg/m<sup>3</sup> accordingly, ensuring high performance and minimum heat loss.  
 Tempered glass front cover low iron 4mm thickness ensuring durability and high transparency factor.  
 The system includes: corrosion protection with Mg rod - electrical element 1.5kw till 4kw - closed circuit valve 3bar - safety valve 10bar / non return valve - accessories and transitions connectors - antifreeze  
 Frame: Mounting structure from hot galvanized steel 2.00mm thickness



## 200LT WITH VERTICAL SELECTIVE COLLECTOR 2,53M<sup>2</sup> PLANET SOL

### Tank Specifications:

Outer cover: metallic outer cover in grey colour  
 Inner tank: Steel sheet EN 10130AIDCP 3.00mm thickness. Inner tank coating made of double liquid enamel processed at 860° C (glass) according DIN4753  
 Dimensions: 580mm x 1300mm  
 Weight: 80kg  
 Heat exchanger: mantel type, of the same material and thickness of 2.00mm  
 Insulation: of expanded P.U. CFC free of high density 50kg/m<sup>3</sup>, 60mm thickness  
 Working pressure: 10 bar

### Collector Specifications:

Dimensions of vertical collector: (length x height x width): 1277mm x 2017mm x 90mm  
 Case (100mm section) made of anodised electrostatically powder-painted aluminium profile for extended life.  
 Galvanised steel sheet rear cover 0.5mm thickness.  
 EPDM rubber and silicone seal for maximum waterproof protection.  
 Heavy duty absorber copper tubes laser welded to the absorbing plate for instant heat transmission.  
 Aluminium absorbing plate 0.5mm coated with Chrome-Nickel blue selective layer.  
 Solar irradiation absorbance factor  $a=0.95 \pm 2\%$  and reflection  $e=0.5 \pm 2\%$   
 Insulation with rockwool and glass fibre wool of density 80kg/m<sup>3</sup> and 30kg/m<sup>3</sup> accordingly, ensuring high performance and minimum heat loss.  
 Tempered glass front cover low iron 4mm thickness ensuring durability and high transparency factor.  
 The system includes: corrosion protection with Mg rod – electrical element 1.5kw till 4kw – closed circuit valve 3bar – safety valve 10bar / non return valve – accessories and transitions connectors – antifreeze  
 Support frame: from hot galvanized steel 2.00mm thickness





## 300LT WITH VERTICAL SELECTIVE COLLECTOR 4,60M<sup>2</sup>

### Tank Specifications:

**Outer cover:** Metallic outer cover in grey colour (RAL)

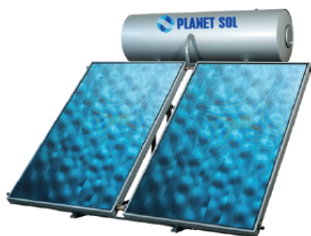
**Inner tank:** Steel sheet EN 10130AIDCP 3.00mm thickness. Inner tank coating made of double liquid enamel processed at 860° C (glass) according DIN4753

**Heat exchanger:** mantle type, of the same material of the tank and thickness of 2.00mm

**Insulation:** 60mm thickness, of expanded P.U. CFC free of high density 52kg/m<sup>3</sup> Pressure: 10 bar

**The tank includes:** Corrosion protection with Mg rod – electrical element 1.5kw till 4kw

**Dimensions:** 580mm x 1820mm length



### Collector Specifications (2 pieces):

**Dimensions:** (length x width x height): 1180 x 1900 x 85mm

**Case** (100mm section) made of anodised electrostatically powder-painted aluminium profile for extended life.

**Galvanised steel sheet rear cover** 0.5mm thickness.

**EPDM rubber and silicone seal** for maximum waterproof protection.

**Harp type absorber** made of copper tubes  $\Phi$  8mm risers  $\Phi$  22mm headers.

**Heavy duty absorber** copper tubes laser welded to the absorbing plate for instant heat transmission.

**Aluminium absorbing plate** 0.5mm coated with Chrome-Nickel blue selective layer.

**Solar irradiation absorbance factor**  $a=0.95 \pm 2\%$  and reflection  $e=0.5 \pm 2\%$

**Insulation** with rockwool and glass fibre wool of density 80kg/m<sup>3</sup> and 30kg/m<sup>3</sup> accordingly, ensuring high performance and minimum heat loss.

**Tempered glass front cover** low iron 4mm thickness ensuring durability and high transparency factor.

**Frame:** Mounting structure from hot galvanised steel 2.00mm thickness



# Hot Air Hand Dryers - Made By Stiebel Eltron, Germany

## Overview

The HTE electronic is a hand dryer which is a real hit, not least because of its extraordinarily quiet operation.

An intelligent IR proximity sensor switches the unit ON, when you hold your hands 6 to 12 cm below the air outlet, and OFF again when you remove your hands. The robust casing protects the delicate technical interior against damage. Its design also prevents objects, such as cigarette butts, from being deposited on the casing.

### HTE 4- Plastic alpine white



#### The main features

- Hand dryers
- Plastic alpine white casing
- Hygienic and energy efficient through IR proximity electronics
- Low costs
- Maintenance free, reliable operation
- Easy installation

### HTE 5- Diecast aluminium



#### The main features

- Hand dryers
- Signal white diecast aluminium casing
- Hygienic and energy efficient through IR proximity electronics
- Low costs
- Maintenance free, reliable operation
- Easy installation

## DHW HEAT PUMPS MADE BY STIEBEL ELTRON, GERMANY WWK 302

### PRODUCT DETAILS

The WWK 302 H is a compact air | water heat pump designed specifically for outdoor installation (heat pump unit and cylinder made from steel, with a special enamel coating on the inside, and installed in one casing) for supplying DHW to several draw-off points. Naturally, it can also be used for indoor installation. Attractive design, cylinder with high grade thermal insulation and outstanding efficiency/COP values. Very quiet operation thanks to sound-insulated compressor.

This heat pump is also equipped as standard with an integral emergency/booster heater. Exceptional DHW convenience (EN 16147 draw-off profile XL). DHW temperature preset to  $> 60^{\circ}\text{C}$  in efficient heat pump operation. Highest quality standard. Use of particularly high-quality components, such as a Rollbond safety condenser for consistently high efficiency and maximum reliability, and a maintenance-free impressed current anode, likewise for maximum reliability and cost savings for users (due to elimination of the need for regular anode checks/replacement). The appliances are also equipped as standard with a battery buffer for the impressed current anode in the case of unplanned power outages in the public supply network.



### CONVENIENCE INSTANTANEOUS WATER HEATER

Make the most of your opportunities

A STIEBEL ELTRON instantaneous water heater does more than heat water. You ask, it delivers: exactly when needed, in precisely the right amount and always at the selected temperature. That's why we talk about DHW convenience. And why we call our premium appliances comfort instantaneous water heaters. They are particularly useful in your bathroom or kitchen, where you frequently need a lot of hot water. Short of space? Our compactly designed comfort and mini-instantaneous water heaters will find enough room even in your guest toilet or under the kitchen sink. No matter the volume, consumption or requirements, you will find a match for your individual requirements.

DHB-E 11/13 LCD

DHB-E LCD instantaneous water heater – 3i comfort, as good as first class

On the DHB-E LCD instantaneous water heater, the water temperature is continuously electronically controlled by three sensors with 3i technology. This makes temperature fluctuations a thing of the past and ensures accurate temperature delivery up to the maximum output, making showering a delight every time. With the LCD of the DHB-E LCD comfort instantaneous water heater, accurate temperature settings are no longer a problem. The rotary selector quickly enables accurate temperature delivery between  $20$  and  $60^{\circ}\text{C}$ . You sent



### COMPACT INSTANTANEOUS WATER HEATER DHC 8 EL (STE)

Microprocessor control with inlet and outlet temperature sensor for accurate temperature delivery

Selection of temperature ( $40, 50, 60^{\circ}\text{C}$ ) up to maximum output for maximum convenience

Manually adjustable flow limiter in cold water inlet (can be adjusted by the contractor) for greater energy savings

LED ON indicator on the appliance cover provides clear information about appliance status

Installation on finished & unfinished walls is possible

IP 25 for greater protection against water ingress (hose proof)

Tubular heater made of copper for a longer service life



## More of What We Supply





**ONTIC ENERGY**  
QUALITY • DURABLE • NECESSARY

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