

## Atlas - 15



1st carbon neutral self sufficient solar system, can operate as stand alone unit without mains power

### Components

#### Solar Collectors

Number of tubes 15 ( 1 x 15 tube collector )

#### Photovoltaic Panel

16W mono-chystalline PV Panel

#### Pumpstation

Dual line Miebess pump station

Pressure relief valve

#### Prozeda Basic Controller

Controls a solar water system

Variable pump speed output

Includes two sensors

Displays full information

Easy to install

#### ®PEKASOLar V / 25 litre

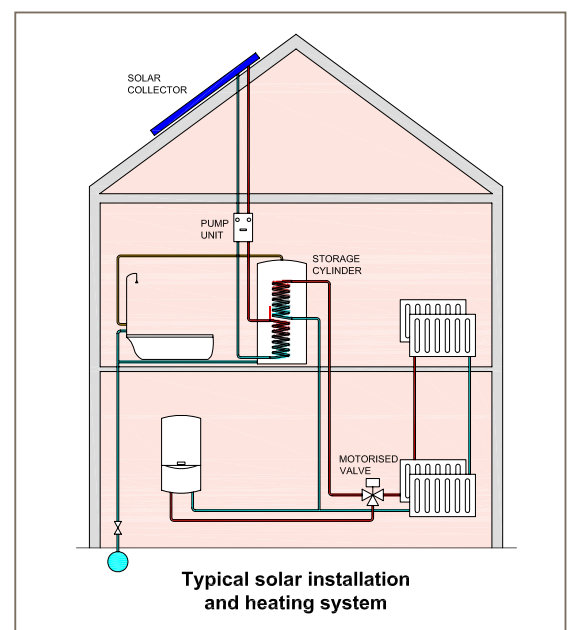
Heat Transfer liquid for high thermal load (Heat Pipe Tube) solar installations premixed 1.2 propylene glycol

#### Expansion Vessel

The vertical series have a control panel mounting bracket. All vessels incorporate a replaceable rubber membrane which are suitable for temperatures from 0° to 99°C.

#### Roof Mounting Kit

Easy installation roof mounting kit designed not to be noticed - 4 brackets



Built in  
16 watt  
PV panel



Atlas - 15  
Assembled  
with frame



Heat Pipe in glass  
vacuum tube

## Hot Water Specification

Size of vacuum tube	58 x 1800 mm
Number of Tubes	15
Dimension of collector	1270 x 2000 mm
Net weight	65 kg
Minimum volume flow rate	50 litre's per hour
Recommended volume flow rate	150 litre's per hour
Maximum volume rate	300 litre's per hour
Maximum operating pressure	0.6Mpa
Water out put	105 - 150 litres
Water temperature	40 - 90°C

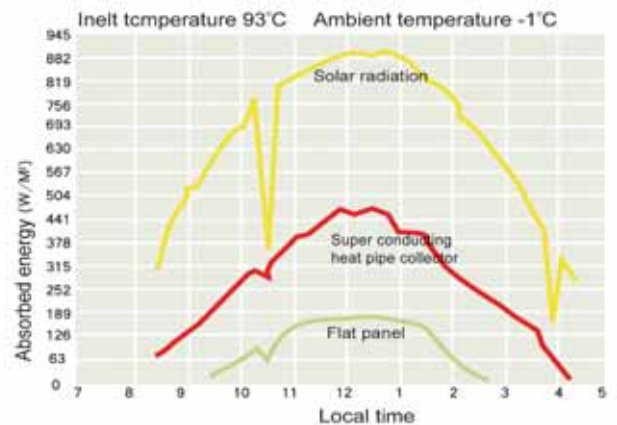
## PV Specification

16W mono-chystalline PV Panel

## Type of Fixing Kits

For flat roof installation	Frame construction*
For sloping roof installation	Fixing brackets *
* one type of fixing kit per installation	

## Efficiency Curve



Picture 1: Comparison diagram on all-day power absorption

## Heat Pipe Construction

