

Atlas - 255 / 25



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

Components

Solar Collectors

Number of tubes 25 (1 x Atlas -15 +
1 x Teton-10 tube collector)

Photovoltaic Panel

16W mono-chystalline PV Panel

Pumpstation

Dual line Miebes 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 / 50 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 per panel

K2 Twin Coil Water Cylinder

Twin coil stainless steel cylinder 215 litre
capacity with 3Kw immersion heater
Dual thermostat and two sensor pockets
25 year cylinder Guarantee
WRAS approved Benchmark BBA CE

Comprehensive selection of fixings

Valve set

Thermostatic mixing Valve x 1
Two way Motorised valve x 2
Non return valve x 1

Built in
16 watt
PV panel



Atlas - 15
Assembled
with frame

+



Teton - 10
Assembled
with frame

K2
Stainless
steel twin
coil
cylinder



Specification

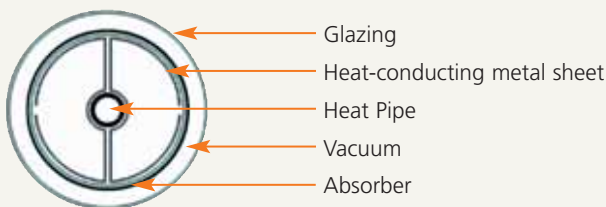
Size of vacuum tube	58 x 1800 mm
Number of Tubes	25
Dimension of collector	870 x 2000 mm
Net weight	65 / 38 kg per panel
Minimum volume flow rate	50 litre's per hour
Recommended volume flow rate	150 litre's per hour
Maximum volume rate	300 llitre's per hour
Maximum operating pressure	0.6Mpa
Water out put	105 - 150 litres
Water temperature	40 - 90°C

Type of Fixing Kits

For flat roof installation	Frame construction*
For sloping roof installation	Fixing brackets *

* one type of fixing kit per installation

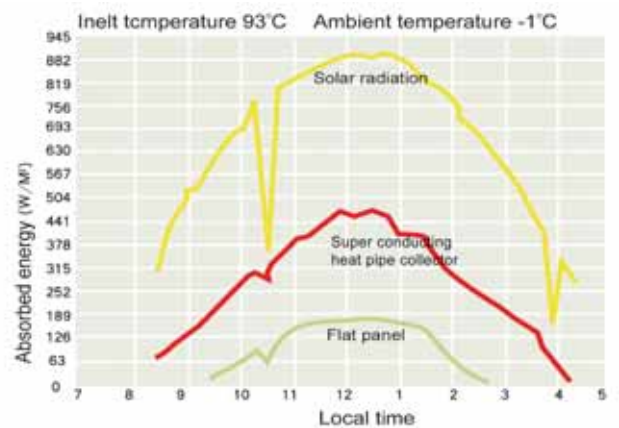
Heat Pipe Construction



K2 Twin Coil Range

Capacity	Height mm	Weight Empty kg	Weight Full kg	Coil Rating
130	930	34	189	7 + 7KW
150	1055	37	212	7 + 7KW
215	1455	52	268	14 + 14KW
255	1725	59	315	14 + 14KW
305	2000	69	374	14 + 17.5KW

Efficiency Curve



Picture 1: Comparison diagram on all-day power absorption