

Atlas - 150 / 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

K2 Twin Coil Water Cylinder

Twin coil stainless steel cylinder 150 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



K2
Stainless steel
twin coil cylinder

Specification

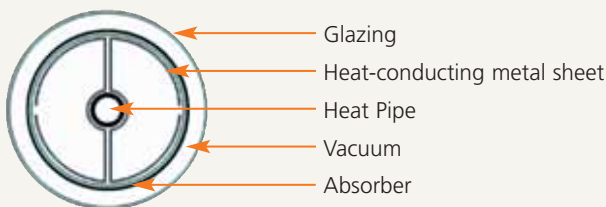
Size of vacuum tube	58 x 1800 mm
Number of Tubes	15
Dimension of collector	870 x 2000 mm
Net weight	65 kg
Minimum volume flow rate	50 litre's per hour
Recommended volume flow rate	150 litre's per hour
Maximum volume rate	300 llitre's per hour
Maximum operating pressure	0.6Mpa
Water out put	105 - 150 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

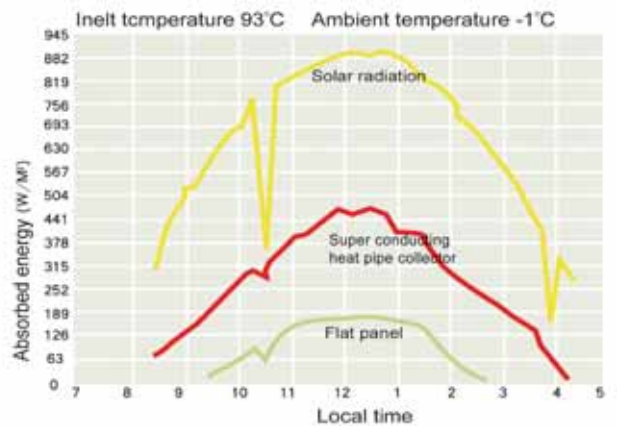
Heat Pipe Construction



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