



THE TSHISA BOX

RSA Patent Application No 2013/02244
Int Pat Appl No PCT/IB2013/055082

The Tshisa Box is a low-cost alternative solar kettle.

It requires no domestic running water system and can be used if you live in the suburbs, in an RDP house or a rural traditional house.

It will heat 10 litres of water once a day – reaching its highest temperatures at about 4 pm (sunshine days only). On a good day it takes 4 - 5 hours to get warm.

The performance tests were done in Cape Town, where the sun is arguably at its weakest in South Africa. Summer and winter results can be seen on the right.

The product is distributed in a flat-pack form, which reduces transport costs and offers the opportunity to create assembly work (and value-add) in assembly in communities where it is sold.

The Tshisa Box comes in a sturdy plastic casing with carry handle to make it convenient to move when filled with water (10 kg is quite a hefty load). It is compact at just over 300 x 400 x 100 mm.

Built to be out in the sun, and made to be affordable to everyone, the materials take a beating and if used every day, it will last about a year before some of the parts will deteriorate and require replacement.

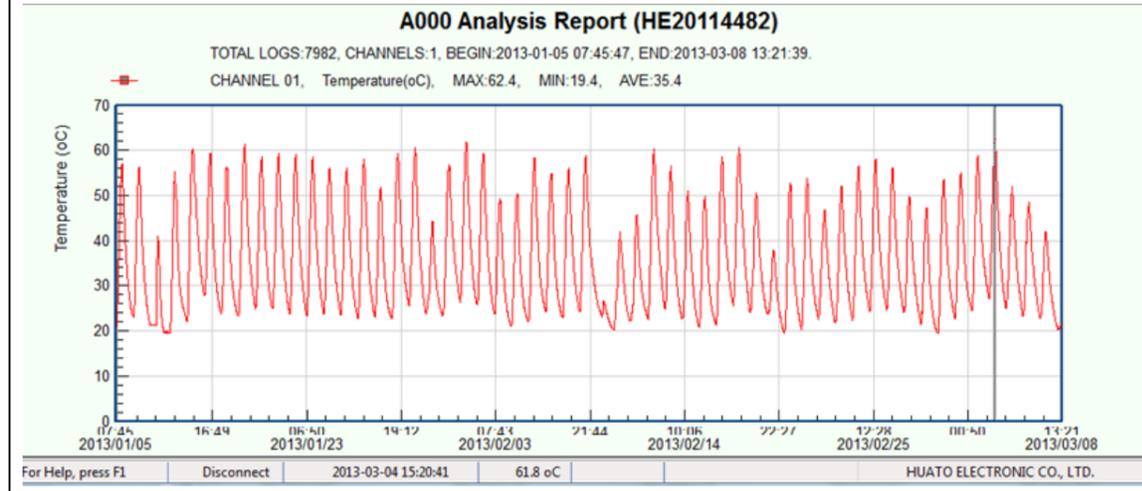


WE DO NOT RECOMMEND DRINKING THE WATER.

Sunlight contains ultraviolet radiation that kills bacteria. Hot water from the Tshisa Box is likely to be free of bacteria. (Look up/Google the SODIS effect).

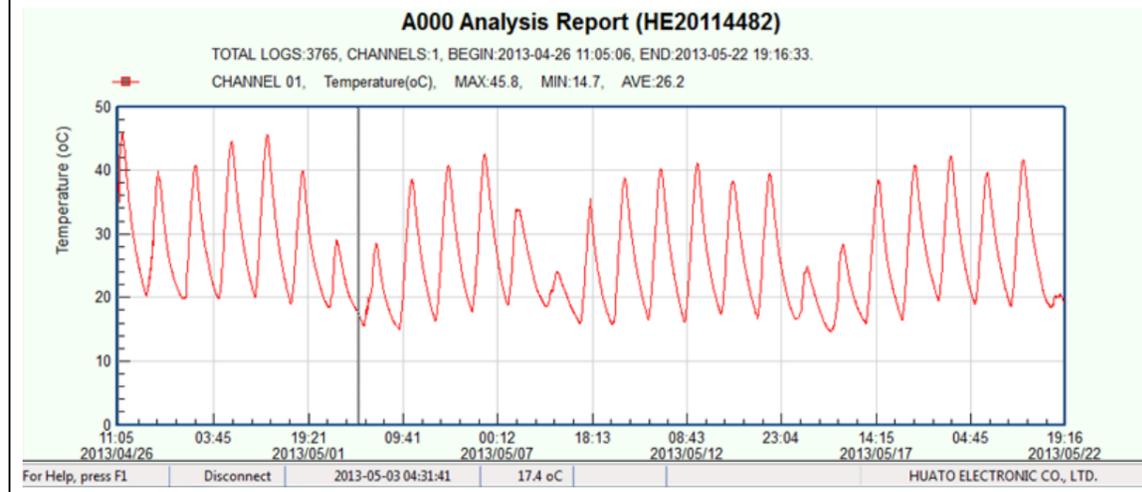
SUMMER PERFORMANCE

January to early March, maximum in the upper 50's, rainy days just over 40 Celsius.



WINTER PERFORMANCE:

Three weeks into May, the maximum exceeds 40 Celsius.



Contact us: (We have opportunities for distributors and retail sellers in all areas).

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See our Tshisa Box page on Facebook.