

TECHNICAL DATA OF YOUR SOLAR DEVICE

Name of the solar device: Oyapika(OP13A)
Karupika(IP8C)

Family

solar cooker

Production:

self-made

Type of solar device

Parabolic

General description:.

It have two pivots to turn a parabola to the sun.

1. direction pivot
- 2.Elevation angle pivot

Even if parabola moves on pivots, a pan maintains a horizontal.

Size (cm):

Oyapika 130cm diameter

Focal length 34cm (From the parabola deepest section)

The diameter of a condensing focus is 15cm.

Karupika 80cm diameter

Focal length 17cm (From the parabola deepest section)

The diameter of a condensing focus is 10cm.

Opening area:

Oyapika: In order to set up a tripod, an area of 1.75 square meters needed.

Karupika : In order to set up a tripod, an area of 0.44 square meters needed.

Weight (Kilograms):

Oyapika : 8.5kg

Karupika: 3.0kg

Materials: All components are made from aluminum .

High reflective aluminum sheet (aca 4250E made in U.S.A)0.5mm t

Temperatures:

Oyapika: If a 16cm black pan is heated by the sun, temperature reaches to 345 degrees C.

Karupika: If a 16cm black pan is heated by the sun, temperature reaches to 205 degrees C.

Comments:

Oyapika: This cooker has high power.

It boils 1l. water in 12 minutes.

It can be folded up compactly and easy to carry.
It takes about 12 minutes to assemble.
Karupika: This cooker is lightweight and easy to handle.
It takes 3 minutes to set up.
It boils 1l. water in 38 minutes.

Documentation available:

Available Maps: <http://w2.avis.ne.jp/~amane/>

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Picture/s of your solar device (can be pasted in this file or sent as an attachment):

Oyapika(OP13A)



Karupika(IP8C)

