

# TECHNICAL DATA OF YOUR SOLAR DEVICE

**Name of the solar device:** SolarPicnic

**Family:** Sport solar tea maker

**Production:** self-made

**Type of solar device:** Panel type solar cooker

## **General description:**

SolarPicnic is a new kind of panel solar cooker which one can build it by transparent plastic sheet (waterproof) or even by cardboard and using aluminum coated adhesive tape for its reflecting surface. It can not only cook or warming foods in any latitude but also for making a cup of tea in 10-20 minutes (depending on season in middle latitudes).

**Size:** 20 x 20 cm (closed form)

**Opening area:** 64 x 44 cm

**Weight:** 0.3 Kg

**Materials:** transparent plastic sheet, aluminum coated adhesive tape, shoe string, flat tea pot, black colored tape, heat resistance transparent nylon bag.

## **Temperatures:**

In middle latitudes near noon time:

A cup of tea can reach to 60° c in (10/20 min.) in (summer/winter).

A cup of tea can reach to 100° c in (25/50 min.) in (summer/winter).

Dry foods can reach to 112° c .

**Comments:** Some cheap material (transparent nylon bag and black colored tape for pasting on different dishes) are include in the SolarPicnic package, but it's important to use a little water in the foods ,other wise must use special heat resistance transparent nylons and dry black colored dishes instead of black tapes on the outer surfaces of dishes.

**Documentation available:** (In Persian)

[www.irses.org/contents/newsletter34/14.pdf](http://www.irses.org/contents/newsletter34/14.pdf)

**Available Maps:** Soon in [www.solarcooker.org](http://www.solarcooker.org)

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**Pictures:**

