

Product datasheet (en)

Version: 1101_24.09.2014

Photo:



Name:

leXsolar-sunstick

Item number:

1101

Youtube link:

Area of application:

Physics
Chemistry
Technology Training

Dimensions (cm x cm x cm):

30x20x9

Weight (kg):

1,90

User group:

Primary School

Key facts:

Experiment toy for solar energy
High quality made in Germany
With detailed manual

List of components:

1 x 1101-01 Sunstick crank wheel
1 x 1101-02 Sunstick stand

1 x 1100-03 Solar module 1.5 V, 420 mA
1 x 1101-03 Sunstick wood wheel holder
1 x 1100-56 Color discs - Set 2
1 x L3-01-002 Packaging leXsolar sunstick, die cuts incl. Inserts
1 x L2-06-002 Test lead 4mm-plug, 25cm, black
1 x L2-06-003 Test lead with 2 spring loaded plugs 2mm, 25cm, red
2 x L2-02-007 Sorting rubber d=65, mark P
1 x L2-02-006 Propeller in red
1 x L2-03-002 sunstick base
1 x L2-06-005 Sunstick buzzer module
1 x L2-06-004 Sunstick LED module

Extras needed:

No extras needed, all included.

Extras available:

No extras available.

Description:

Discovering solar energy playfully is the basic idea of the leXsolar-sunstick. Due to playful experiments, children from the age of 5 learn how photovoltaic works. As a result, awareness for these future technologies can be raised at an early stage. The leXsolar-sunstick meets the highest requirements on both product quality and also didactical quality. It is extremely robust which is why it is excellently suitable for deployment in kindergarten and elementary schools.

Experiments:

Fascinating optical illusions and effects
The sunstick as propeller
The carousel on your desk
The sunstick as engine with slow or fast spinning driving wheel
The sunstick as mobile
The sunstick as alarm device (with the horn module)
The pocket light without battery (with the lamp module)

Specifications of components:

1101-01 Sunstick crank wheel:

1101-02 Sunstick stand:



1100-03 Solar module 1.5 V, 420 mA:
Solar module with 3 high efficiency polycrystalline solar cells
1.5 V open circuit voltage
420 mA short circuit current
0.6 Wp peak power
Optimized low light behavior
Solar cell size 3 pcs. 26mmx52mm
Layout: plug-in module with 4mm jacks
Grid-dimension of the jacks: 70mm
Module size: 85mmx85mm

1100-56 Color discs - Set 2:

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L2-03-002 sunstick base:

L2-06-005 Sunstick buzzer module:

L2-06-004 Sunstick LED module:

Specifications extras needed:

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Specifications extras available:

No extras available.