STEP 18:

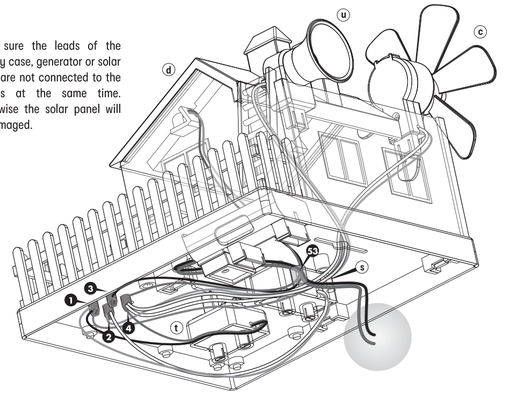
For Solar Connection

Connect the underground black lead from the solar panel of roof (d) to underground spring (3), and the red lead to (4).
Due to the limited power supply from the solar panel, only one function can be operated at a time. You can either choose one function from step [A], [B] or [C] to connect:

For Battery Connection

Connect the black lead from the battery case to spring (3), and the red lead to (4).
To show all 3 functions operate at the same time, you need to use batteries as power source. Then the LED lamp, the windmill (c) and the horn (u) can be connected at the same time. Follow step [A], [B] and [C] to connect all of them.

Make sure the leads of the battery case, generator or solar panel are not connected to the springs at the same time. Otherwise the solar panel will be damaged.



A

To use the LED lamp, connect the red lead of the lamp base (t) to (4), black lead to (1).

B

To use the windmill (c), connect the underground white lead of the windmill (c) to (4), green lead to (1).

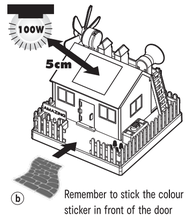
C

To use the door bell sound from the horn (u), connect the underground yellow lead of the horn (u) to (4), the blue lead of the horn (u) to (2). And the white lead of the door switch (s) to (2), the blue lead of the door switch (t) to (1).

Warning : Energy supply leads from the solar panel and from the battery case must not be connected to the kit at the same time. **Otherwise the solar panel will be damaged by the surged voltage from the batteries.**

Part \ Spring	1	2	3	4
SOLAR PANEL or BATTERY CASE			black	red
MAIN SWITCH	red		black	
LAMP BASE	black			red
WINDMILL	green			white
HORN		blue		yellow
DOOR SWITCH	blue	white		

OPERATIONAL HINTS



Remember to stick the colour sticker in front of the door

1. To operate this toy outdoor on solar mode, you must direct the solar panel in the direction of the sun. For indoor operation, the solar panel's minimum light source requirement is equivalent to 100W bulb at about 5cm away from the solar panel. Do not place a 100W bulb close to the panel for an extended period.
   Warning: Very strong light beams such as a laser beam will destroy the solar panel. Do not place light bulb too close to the solar panel for too long during operation as plastic may melt under the heat after a period of time.
   It is recommended for the light bulb to be placed close to the solar panel for short testing purposes only.
   Warning : Overheating hazards. Do not touch the solar panel.
2. In solar mode, due to limited power supply, only one electrical part such as a windmill, or a horn, etc can be connected to the circuit for proper operation. In battery mode, all electrical parts can be connected to the circuit for proper operation.
3. For battery mode, always check whether the leads of the solar panel have been disconnected from the house or not.
4. When the horn is connected correctly, the door will become part of the switch of the circuit. When main switch (q) is ON, and the door is opened, the horn will be switched ON and make a sound. However if the door is closed, then the circuit is switched OFF and will not make any sound.
5. It is suggested to use solar mode to create the power source. In case batteries are required to be used, we highly recommend using rechargeable ones to be environmentally friendly.

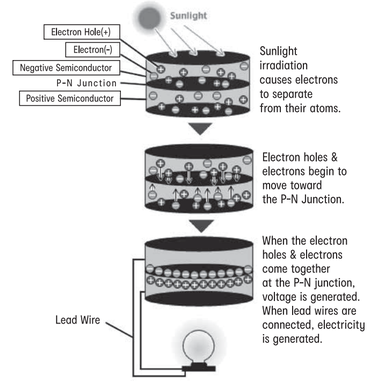
ALWAYS REMEMBER TO CHECK THAT EVERYTHING IS CONNECTED AND FOLLOWED PROPERLY AS PER THE INSTRUCTIONS.

Warning : Do not short-circuit the battery terminals and spring connectors. It may cause overheating. Do not lock the motor or other moving parts. It may cause overheating.

EDUCATIONAL HINTS

Principles of a Solar Power Generation System

How does a solar cell generate electricity ?



An energy saving house is a house equipped with solar panels, and sometimes a windmill. Solar energy is obtained from the solar panels. Photovoltaic (PV) cells convert the sunlight's energy directly into electrical energy. The windmill can also drive a generator to produce electrical energy. Such electrical energy can be used instantly or stored in battery.

43-232-284

COLOURS AND CONTENTS MAY VARY

MADE IN CHINA

FOR AU/NZ: IMPORTED FOR KMART STORES IN AUSTRALIA AND NEW ZEALAND.

anko

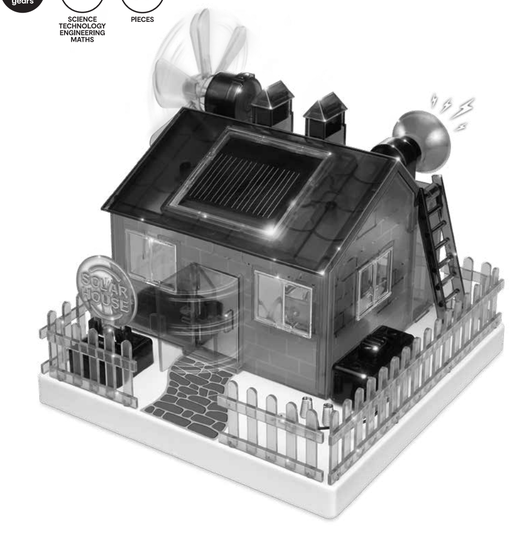
Build Your Own Solar House

- interchangeable LED signs
- integrates technology and DIY
- easy to assemble, no glue or tools needed
- includes: door sounds and windmill

8+ years

STEM SCIENCE TECHNOLOGY ENGINEERING MATHS

39 PIECES



WARNING: CONTAINS FUNCTIONAL SHARP POINT ON THE LEADS.

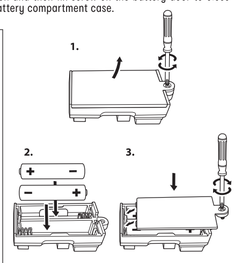
WARNING: FOR SAFETY REASONS, REMOVE ALL TAGS, LABELS AND PLASTIC FASTENERS BEFORE GIVING THIS TOY TO YOUR CHILD.

⚠WARNING: CHOKING HAZARD
SMALL PARTS. NOT SUITABLE FOR CHILDREN UNDER 3 YEARS.

WARNING: BATTERIES ARE TO BE INSERTED WITH THE CORRECT POLARITY. DO NOT MIX DIFFERENT TYPES OF BATTERIES OR NEW AND USED BATTERIES. NON-RECHARGEABLE BATTERIES ARE NOT TO BE RECHARGED. RECHARGEABLE BATTERIES ARE ONLY TO BE CHARGED UNDER ADULT SUPERVISION. RECHARGEABLE BATTERIES ARE TO BE REMOVED FROM THE TOY BEFORE BEING CHARGED. THE SUPPLY TERMINALS ARE NOT TO BE SHORT-CIRCUITED. REMOVE BATTERIES FROM THE TOY WHEN NOT IN USE FOR EXTENDED TIME OR WHEN BATTERIES BECOME EXHAUSTED. BATTERY INSTALLATION BY AN ADULT IS REQUIRED. DISPOSE OF BATTERIES RESPONSIBLY. DO NOT DISPOSE OF IN FIRE.

WARNING: HAIR ENTANGLEMENT MAY RESULT IF THE CHILD'S HEAD IS TOO CLOSE TO THE MOTORISED UNIT OF THIS TOY. ADULT SUPERVISION AND ASSISTANCE IS REQUIRED.

To insert batteries please unscrew battery cover with a screw driver. Insert the required batteries in accordance with battery polarity with + and – ends in the right position and then fix screw on the battery door to close the battery compartment case.



2 X AA
REQUIRES 2 X 1.5V AA BATTERIES (NOT INCLUDED).

PRODUCT MAY VARY SLIGHTLY FROM IMAGES SHOWN.
PLEASE KEEP PACKAGING FOR FUTURE REFERENCE.
FOR BEST RESULTS USE OUTSIDE IN DIRECT SUNLIGHT.
SOLAR PANEL WILL NOT WORK IN CLOUDY LOCATIONS OR UNDER FLUORESCENT LIGHTS.
READ THE INSTRUCTION MANUAL BEFORE USE.

READ & SAVE ASSEMBLY AND OPERATING INSTRUCTIONS

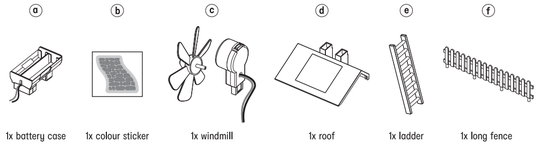
GENERAL

To correctly construct this DIY kit please make sure all instructions are carefully read and review the illustrated diagram for easy directions.

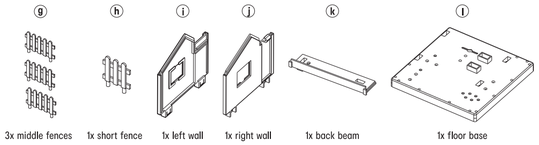
UNPACK THE SOLAR HOUSE

Check the contents in the box. You should have all components shown in the illustrated assembly diagram in the PARTS LIST below.

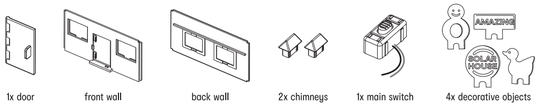
PARTS LIST



1x battery case | 1x colour sticker | 1x windmill | 1x roof | 1x ladder | 1x long fence



3x middle fences | 1x short fence | 1x left wall | 1x right wall | 1x back beam | 1x floor base

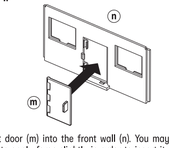


1x door | front wall | back wall | 2x chimneys | 1x main switch | 4x decorative objects

1x door switch | 1x lamp base | 1x horn | 6x windows | 4x springs

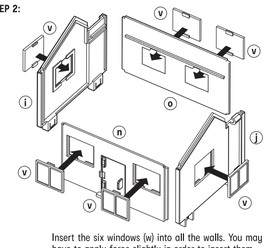
ASSEMBLY

STEP 1:



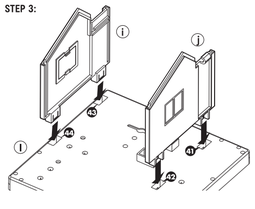
Insert door (m) into the front wall (n). You may have to apply force slightly in order to insert it.

STEP 2:



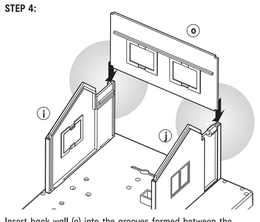
Insert the six windows (w) into all the walls. You may have to apply force slightly in order to insert them.

STEP 3:



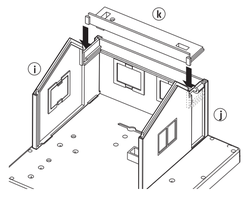
Setup the right wall (j) into two rectangular holes (41, 42) on the floor (4).
Setup the left wall (i) into two rectangular holes (43, 44) on the floor (l).

STEP 4:



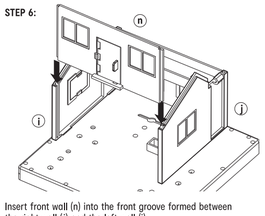
Insert back wall (o) into the grooves formed between the right wall (j) and the left wall (i).

STEP 5:



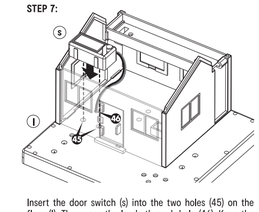
Insert back beam (k) into the grooves formed between the right wall (j) and the left wall (i).

STEP 6:



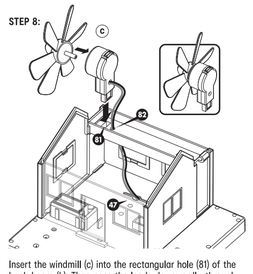
Insert front wall (n) into the front groove formed between the right wall (j) and the left wall (i).

STEP 7:



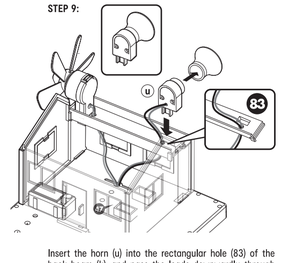
Insert the door switch (s) into the two holes (45) on the floor (l). Then pass the leads through hole (46). Keep the leads underground.

STEP 8:



Insert the windmill (c) into the rectangular hole (81) of the back beam (k). Then pass the leads downwardly through the hole (82) and the hole (47) on the floor (l) Keep the leads underground.

STEP 9:



Insert the horn (u) into the rectangular hole (83) of the back beam (k), and pass the leads downwardly through the hole (47) on the floor (l). Keep the leads underground.

STEP 10:

Place the battery case (a) in two rectangular holes on the floor (l), and then pass the leads through the hole (53) to stay underground.

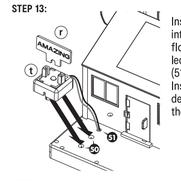
STEP 11:

Pass the leads of the roof (d) through the hole (53). Then insert the roof (d) in position. Insert two chimneys (p) on top of the roof (d).

STEP 12:

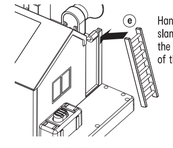
Insert the main switch (q) into two holes on the floor (l).

STEP 13:



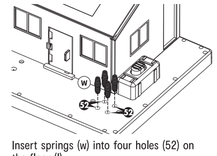
Insert the lamp base (t) into two holes (50) on the floor (l). Then pass the leads down through hole (51) to stay underground. Insert any of the decorative plates (r) on the lamp base (t).

STEP 14:



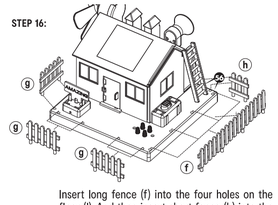
Hang the ladder (e) slanted vertically on the hook of the rear of the right wall (j).

STEP 15:



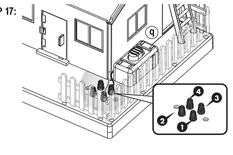
Insert springs (w) into four holes (52) on the floor (l).

STEP 16:



Insert long fence (f) into the four holes on the floor (l). And then insert short fence (h) into the two holes (56) on the floor (l). Finally insert middle fences (g) into the remaining holes on the floor (l).

STEP 17:



Connect the two leads of the main switch (q) to the springs. Black lead to (3) and red lead to (1).