

**OWI Robot Kits**

**AMPHIBIOUS SOLAR VEHICLE**



- Solar-powered fun on water or land
- Build it, then use in direct sunlight
- Also works in intense indoor light
- DC motor load: 4g.cm
- Solar cell output: 1.4V, 350mA in bright sunlight
- Alternate power source: one AA cell, not included

MODEL	
OWI-688	

**ROCKIT ROBOT**



- Intelligent robot with touch and sound sensors
- For students, hobbyists, educators, etc.
- Movement: 3 wheels driven by a DC motor
- Step-by-step assembly instructions
- Power source: 2 AA cells (not included)
- Suited to ages 10 years and up

MODEL	
OWI-7769	

**SUMO ROBOT**



- Buy two and let the match begin!
- Robot can attack or retreat
- Infrared sensor detects opponents
- Movement: 2 tractor-style wheels powered by DC motor
- Control range: approx. 35cm
- Power Source: 4 - AA batteries

MODEL	
OWI-9647	

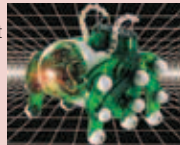
**HYPER PEPPY SOUND TOUCH**



- This little robot uses touch and sound sensors
- Educational and fun
- Changes direction on physical contact
- Changes direction on loud noises (e.g. clapping)
- Basic hand tools needed for assembly

MODEL	
OWI-969	

**SPIDER III LIGHT SENSOR**



- Uses a light sensor to detect obstacles
- Alters direction to find a clear path
- Features an unusual walking style
- Movement: DC motors to 3 legs on each side
- Control: infrared/photo transistor
- Power: AA cells and 9v battery (not included)

MODEL	
OWI-9727	

**SOCCER JR.**



- Runs forward, backward, turns left or right, does 360-degree turns
- New features added: catching and shooting a ball
- 6 operational legs, with retrieving and kicking mechanism
- Wired controller to activate movement and ball control
- Includes step-by-step instructions for assembly
- Movement created by 3 DC motors
- Power source: 4 AA cells (not included)

MODEL	
OWI-9820	

**WEASEL**

- A favorite with students, hobbyists and everyone!
- Uses sensors to follow a line or hug a wall
- Almost seems to have a personality
- Choose from 3 speed settings
- Power source: AA cells (not included)

MODEL	
OWI-9910	

**JUNGLE ROBOT**

- Gorilla mode: walks on its hands
- Orang-utan mode: moves hand-over-hand on a rope
- Responds to noise by walking or climbing
- Great for demonstrating basic robotic sensing, locomotion
- Pre-assembled printed circuit board, hardware, drive system
- Screwdriver, pliers and AA batteries required
- For ages 10 years and up



MODEL	
OWI-9870	

**4-IN-1 ROBOT**

- 4 modes of locomotion (Orangutan, Gorilla, Centaur, Spider)
- Controlled (start and stop) by loud sound
- Self-stabilizing movement, micro-processor controlled
- Pre-assembled printed circuit board, hardware, and drive system
- 4 AA cells required (not included)
- For ages 10 years and up



MODEL	
OWI-9874	

**BINARY PLAYER ROBOT**

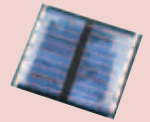
- Create your own program to control movement
- Store the program on the special disk
- Infrared sensor reads the program
- Set the robot in motion to see your program in action
- Re-program whenever you want
- Pre-assembled PCB, hardware, and drive system
- 2 AA cells required (not included)
- For ages 10 years and up



MODEL	
OWI-9875	



**Solar Cells**



**POLYCRYSTALLINE SOLAR CELL - 37X33MM**

- Sturdy fiberglass backing
- Colour-coded polarity solder tabs
- Output: 6.7V, 15mA
- 12 cells in the panel
- Overall dimensions: 37 x 33mm

MODEL	
SCC3733	

**POLYCRYSTALLINE SOLAR CELL - 37X66MM**

- Nominal: 6.7V, 30mA
- Direct sunlight: 8V (no load), 44mA (short circuit)
- Epoxy holds cells to a backplane
- Very robust construction
- SOT123 footprint on the backside



MODEL	
SCC3766	

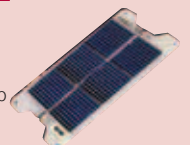
**SQUARE SOLAR CELL 1/8"**

- Square (3.175mm) solarcells
- Clear epoxy-encapsulated
- Direct sunlight: 0.475 volts (open) @ 1.86mA (short)
- Customarily used in series (6 or more cells)



MODEL	
SCPD-5	

**SOLAR PANEL**



- Battery made up of several solar cells
- Ideal for practical applications of solar energy
- Output: 350mA max, at 1.4V
- Cells arranged in a sleek, low-profile design
- Sturdy encapsulating panel protects individual cells
- Positive and negative terminals
- Dimensions: 12.7 x 6.35cm

MODEL	
OWI-608	