

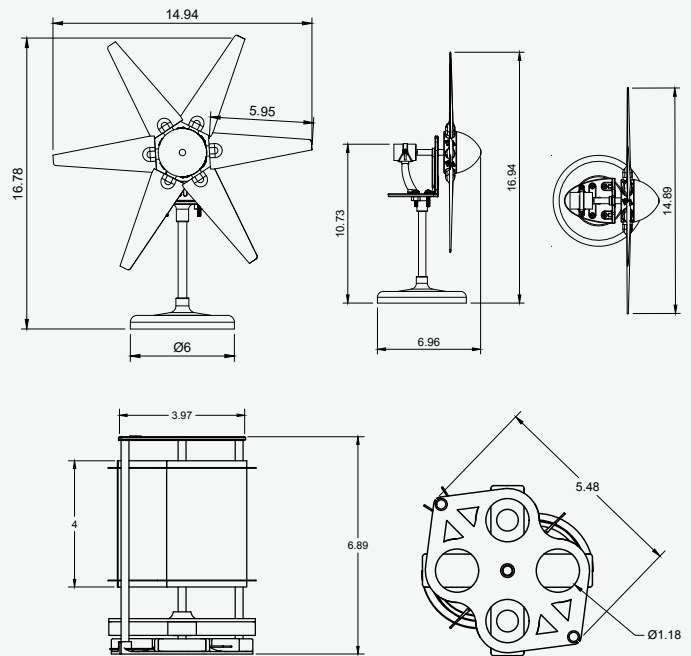
ALTERNATIVE ENERGY

STARTER KIT

PRODUCT DESCRIPTION

The Alternative Energy Starter Kit education set is the most comprehensive of all our Energy Educational offerings. It combines our DC Turbines; The Horizontal Turbine with an additional hydro paddle set, Vertical Turbine, a 7.2V Solar Panel.

TECHNICAL DRAWINGS



FEATURES

- 3D Printed parts in recycled materials
- AC & DC Generator Setups

CURRICULUM

RESEARCH

- Learn about a water cycle
- How hydroelectricity is generated by dams
- Distinguish AC v DC voltage

ENGINEERING

- Calculate Tip Speed Ratio
- Calculate RPM
- Calculate power of a hydro turbine

DESIGN

- How does Rake Angle affect blades
- Create an efficient improvement
- Build & identify components of hydro mills

SPECIFICATIONS

ITEM

SPECS

1 Vertical Turbine Starter Kit	
1 Horizontal Turbine Starter Kit	
6 Hydro Paddles	
1 Multimeter	
1 Solar Panel	7.2V 200mA
Product Weight	6lbs
Packaging	13.5 x 12 x 3in
Current / Voltage	0.5A / 6V

ALTERNATIVE ENERGY

COMPLETE LAB

The Alternative Energy Complete Lab Education set is the most comprehensive of all our Energy Educational offerings. It combines all our turbines; The Horizontal Turbine, Vertical Turbine, Hydro, a 7.2V Solar Panel & all of our electricity labs. Both AC and DC configurations are included in this kit, widening the possibilities of turbines to construct.

INCLUDED

1 Horizontal Turbine Complete Lab

1 Horizontal Starter Kit

1 Rectification Lab

1 AC Generator Lab

1 Circuits 101 Lab

1 Vertical Turbine Complete Lab

1 Horizontal Starter Kit

1 Rectification Lab

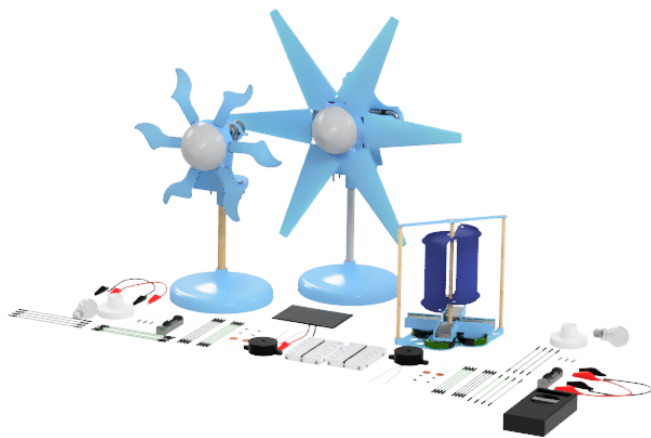
1 AC Generator Lab

1 Circuits 101 Lab

1 Hydro Turbine Starter Kit

1 Multimeter

1 Solar Panel 7.2V 200mA



PS-3019-3