

# LP-2025

## Portable Wind Power Generation Kit

### Introduction

LP-2025 is a portable wind power generation kit for projects.

The researcher can use LP-2025 for create practical platform.

Moreover, We can apply the different accessories of the LP-2025 to achieve the variable experiments.



### Standard Accessories

Wind power generation body ..	1
Blade .....	3
Generator head .....	1
Tail .....	1
Charge control unit .....	1
50W power resistor .....	1
System output board .....	1
Battery .....	1
Case .....	1
USB LED light .....	1

### Features

1. Compact design which make for carrying out or collections very convenient.
2. Easy to install, most of the cables have been completed, just simply install the blades and tail.
3. Wind and solar charge control dual-input, able to directly connect to external solar panels which up to 120W.
4. USB jack which able to recharge mobile, MP3, GPS and other portable devices. On the other hand, able to connect to lighting, fan and other computer peripheral products.
5. Large case space for cable and other accessories.
6. The wind turbine has the strongwind-deviation function. Usually, the blades surface the wind, if face the strong wind, the blade will deviate from an angle to reduce the impact for the generator.

### Applications

1. Portable monitoring system experiment.
2. Small wind power generation systems and power supply experiments.
3. For the green energy industry thematic studies. Using the different accessories to understand the wind power system.
4. Able to use for small power utility applications:
  - A. Garden and landscape lighting.
  - B. Portable LED or low power consumption use.
  - C. Use of outdoor activities.
  - D. The various lighting for family use.

### Specification

Blade cycle diameter	75 cm
Start wind speed	2 m /s
Start charging wind speed	2.5 m /s
Charging voltage	12V
Charge current	(12 m /s): 2.3A
Battery	sealed deep cycle lead-acid battery
Weight	8.6 kg (including battery)
Dimension	445mm (W) x 240mm (depth) x 205mm (H)