

## PEES Power Systems

# Solar Wind Power Tree



## Overview

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In the quest for sustainable energy solutions, New World Wind has unveiled its revolutionary Aeroleaf Hybrid technology—a micro-wind turbine shaped like a tree, combining the forces of wind and solar energy to provide a clean and unlimited power source. Produce your green electricity with the Aeroleaf®, the first micro-turbine that reinvents wind power. At the foot of each leaf, the petal reveals attached solar panels that help capture sunlight to enable Aeroleaf Hybrid technology to produce. Scientists in india have created a wind-solar system in a tree shape, which combines wind turbines and a PV system with two-axis trackers. The team constructed a hardware-in-the-loop prototype that can generate up to 444. As of 2014, wind energy production made up around 4% of total worldwide demand, and is growing rapidly.

## Solar Wind Power Tree

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**Battery String-S224**

- 1C Charge/Discharge
- Easy configuration and maintenance
- Power supply can be single battery string or parallel battery strings

### Wind Trees - A New Solution to Green Energy Production

Renewable energy innovators are exploring inventive approaches to incorporate green energy into our homes - a unique solution to this challenge comes in the form of 'wind trees', a micro wind turbine ...

### The Wind Tree silently generates electricity from gentle breezes

These artificial trees are designed with three steel trunks and other smaller branches that house miniature wind turbines in the shape of leaves. A small gust of wind propels the leaves into ...

#### GRADE A BATTERY

LiFePO4 battery will not burn when overcharged, over discharged, overcurrent or short circuited and can withstand high temperatures without decomposition.



### Next-Gen Renewable Tree: Solar-Wind Hybrid with GPS-Driven ...

A research team from India's Dayananda Sagar College of Engineering has developed a unique energy system that resembles a real tree but functions as a hybrid solar-wind power generator.

## aeroleaf hybrid's tree-shaped wind turbine includes solar panels for

On October 11th, New World Wind welcomed its first Aeroleaf Hybrid in Birmingham, UK. Its tree-shaped wind turbine stands tall on a hill, and its leaves keep rotating to capture the air and

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LOGO



## Solar-wind tree based on 2-axis tracking

Scientists in India have created a wind-solar system in a tree shape, which combines wind turbines and a PV system with two-axis trackers.

## Indian researchers develop a wind-solar hybrid tree that follows the

It's called the Wind-Solar Hybrid Tree (WSHT), and it's a technological "tree" that produces clean energy by simultaneously harnessing the sun and wind, combining design, ingenuity, ...



## Design and analysis of a solar-wind hybrid renewable energy

## tree

The solar-wind hybrid tree provides a better alternative to conventional solar PV and wind turbine systems. A hybrid tree is an artificial structure that resembles a natural tree and has branches ...



### New Wind Tree: Tree Shaped Wind Turbines with Aeroleafs , HeroX

Known as the "Wind Tree" (or Tree Vent, in French), this wind turbine could lead to wider adoption of wind power in urban centers, where they would be able to make use of low winds that circulate ...



✓ 100KWH/215KWH

✓ LIQUID/AIR COOLING

✓ IP54/IP55

✓ BATTERY 6000 CYCLES

### Tree with Solar Panels and Wind Turbines gives Nature-Inspired ...

Unlike conventional wind turbines and solar panels, these tree-shaped energy generators appear as if they naturally grew in their surroundings. This unique design feature allows ...

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