

Where can I buy a wind power tree

How much does a wind tree cost?

For every Wind Tree, Bush, or Modular Tree purchased, New World Wind's partner MyTree has pledged to plant ten new trees - actual trees. The company has already planted dozens of trees around the world. How much does it cost? The Wind Tree can be customized and ordered through New World Wind's website, and the pricing starts at 49,990EUR (US\$50,830).

How much electricity can a wind tree produce?

Under typical conditions of 8 m/s, one WindTree could yield almost 18,000 kWh per year, sufficient to power a 4-person household and cut annual CO₂ emissions by over 12 tonnes. Comparatively, a 4 kW solar power system on an average-sized house typically produces around 3,000 kWh of electricity per year, according to Project Solar UK.

What are wind turbine trees?

The silent "Aeroleaf" as he calls it, an S-type conical volume, a perfect imitation of the leaves makes up the Wind Turbine Trees, and are modular components placed along the steel branches that are fixed to a magnetic assembly that go into rotation hence generating the electrical jolts.

How many Watts Does a wind tree use?

These parts generate alternating current, which is then rectified into direct current. Each Tree has an installed capacity of 10,800 watts (a nominal power of 5,868 watts), or 300 watts per Aeroleaf, with a total of 36 leaves. The WindTree is a steel structure (trunk and branches) on which 36 Aeroleaf are installed.

Can a wind tree be installed in a city?

Installing traditional wind turbines takes a great amount of money, energy, and space. The technology works great and provides clean energy, but it is not practical to install the massive structures in the downtown of a city - let alone in someone's garden; that's where the Wind Tree comes in.

What is a wind tree?

The Wind Tree can exploit all types of wind, from gentle breezes to powerful gusts of wind in both urban and rural environments. Images © New World Wind The reality of climate change is creeping in closer and closer each year, and it has led to an encouraging push to clean up the environment and shift to green, renewable energy sources.

How big a wind turbine you need to power your house will depend, of course, on how much power you use. The average UK home eats 3,731 kWh of electricity per year. A pole-mounted 1.5 KW turbine could ...

Excess energy can be stored in the battery, which boasts a 60Ah capacity, lasting around 45 minutes to one hour in normal conditions. Each tree incorporates 4 batteries. A hybrid version ...

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The wind tree looks like a tree, albeit one that measures only 9 feet (2.7 meters) tall and has drooping leaves resembling those of Salvador Dalí. These leaves, however, are actually tiny ...

A local, tailor-made power generation solution New World Wind offers its "wind energy collectors" in 3 models of different sizes, with installed capacities ranging from 4.200 W to 10.800 W. Ideal for local authorities or ...

Despite offering greater energy output than solar panels, micro wind turbines come at a higher cost. A single Aeroleaf is priced at EUR795, a 36-leaf wind tree at EUR51,990 and a hybrid solar WindBush with 12 leaves at EUR24,500.

The Wind Tree fits perfectly into urban and natural landscapes. Credit: New World Wind. The Aeroleaf can be easily mounted on any surface, such as a rooftop, a balcony, or a pole, and can capture even the slightest ...

On a roof, a terrace or a pylon, the Aeroleafs exploit the weakest winds to provide green and sustainable electricity. The Aeroleaf hybrid is made up of a standard Aeroleaf and a solar petal. This technology combines the ...

Web: <https://www.solar-system.co.za>

