

wind
energy
for
your
world

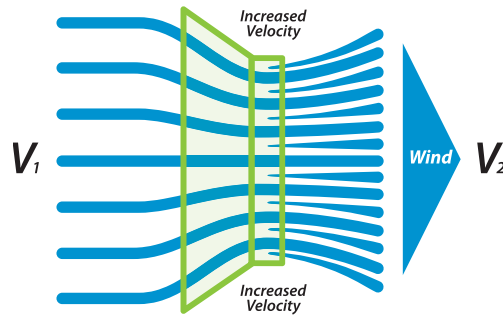




inspired thinking...

There's always been an incredible source of unlimited, free and clean power right above our heads. But for most of us, it was still out of reach...until now. At GreenEnergy Technologies, we are poised to deliver on our mission to provide clean and affordable energy to our customers. We've created a revolutionary technology called the WindCube. This rooftop design is so compact and versatile that now even heavily populated urban areas can take full advantage of one of our most plentiful renewable resources...the wind.

how windcube works



The WindCube relies on its “wind tunnel” effect known in physics as the Bernoulli Principle. While the rest of the wind industry generates energy through the use of freestream wind, the WindCube captures and amplifies the wind, which produces more kilowatt-hours (kWh). As wind comes into the WindCube shroud, it becomes condensed creating increased velocity and in turn, more power.

the windcube advantage

WindCube can reduce your electric bills and protect you from electric rate increases. Its small footprint makes it ideal for urban rooftops, industrial plants, integration into new construction, exhaust capture and remote locations that were previously off limits using traditional wind turbines. It's a great way for your company to manage your long-term energy strategy while reducing greenhouse gas emissions at the same time.



features

Urban-friendly

Direct connect to your building

Low cut-in speed

Low maintenance

Small footprint

Yaw rotation system

Modular and scalable

benefits

Generate electricity where you need it

Immediately reduce electric bills

Capture wind energy as low as 5 mph (2.2 m/s)

Low cost of ownership

Can be placed on most standard rooftops

Positions your WindCube into prevailing winds

Stackable to meet user requirements

renewing the environment and delivering clean, affordable energy to our customers.

technical information

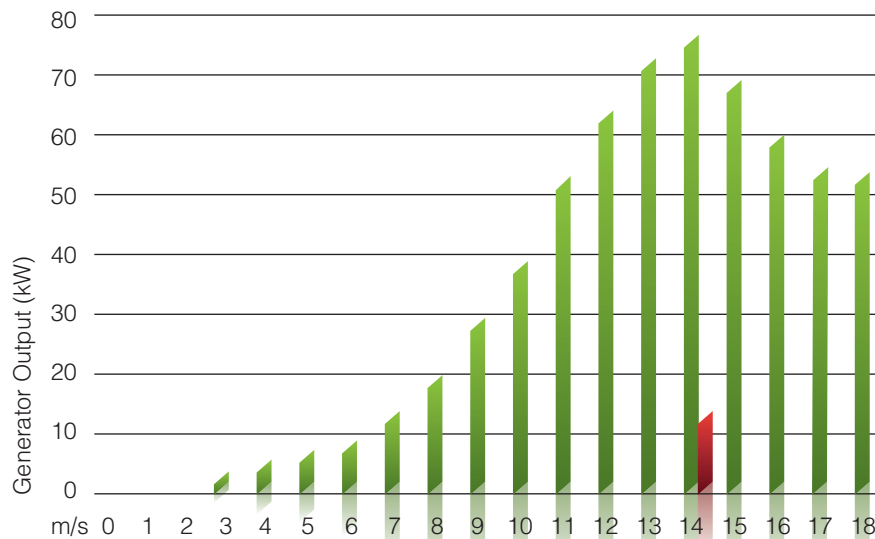
operating data

Rated Power	60 kW
Cut-in wind speed	5 mph (2.2 m/s)
Rated wind speed	26.8 mph (12 m/s)
Generator type	Direct 3-phase asynchronous drive
Rated voltage	480 volts
Rated current	107.8 amps
Rated frequency	60 Hz / 50 Hz
Braking system	Electromechanical fail-safe brake
Yaw system	Electromechanical with wind direction monitoring
Design	Multi-coated recycled steel frame
Noise	Noise reduced nacelle

rotor data

Number of rotor blades	5
Rotor diameter	15 ft (4.6 m)
Swept area	176.7 ft ² (16.4 m ²)
Rotor speed	290 rpm max
Blade material	Reinforced fiberglass
Noise	Rotor blades engineered to minimize noise

turbine output power



Red bar depicts output from a free-standing wind turbine with the same rotor diameter.



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