

eSolarPowerAIR™

PHOTOVOLTAIC-WIND-ENERGY SYSTEMS

2017



eSolarPowerCELL™ Systems

*"We at Earth-Solar believe that access to **clean** and affordable energy, produced free of violence, is a universal human right."™*

www.eSolarMarket.com

Earth-Solar Technologies Corporation

Earth-Solar has refined a High Efficiency Applications Technical Portfolio (HEAT) that consist of the highest efficiency lighting, appliances and equipment available to integrate into solar and urban-scale wind energy networks. The eSolarPowerLED™ Photovoltaic Power Lighting Systems outlined herein are a core part of the company's HEAT Portfolio.

1. **DESIGN-ENGINEERING:** Subject to a preliminary Memorandum of Understanding Earth-Solar will design-engineer all components and systems at no extra charge.
2. **eSolarPowerAIR™ DELIVERED:** Earth-Solar delivers the Wind Energy components as herein described. There is a minimum order of two (2) units unless ordered as part of a larger eSolarPowerCELL System.
3. **BALANCE OF SYSTEMS (BOS) LOCALLY ASSEMBLED:** Earth-Solar supplies Technical Dimensions & Specifications so that locally based technicians can install and owned retail businesses supply structural components and local industries can form and expand around producing them.
4. **BOS DELIVERED BY EARTH-SOLAR:** If it is preferred then Earth-Solar can also supply the Balance of Systems (BOS) pre-assembled.

eSolarPowerAIR™ WIND-ENERGY SYSTEMS are core components of Sustainable Community Development. Any community that is advancing in the modern world must have reliable and efficient energy, lighting and other amenities for comfort, safety, commerce and the well-being of all citizens 24 hours/ day.

Original Equipment Supplier Wind-Stream Technologies.

eSolarPowerCELL™ Systems

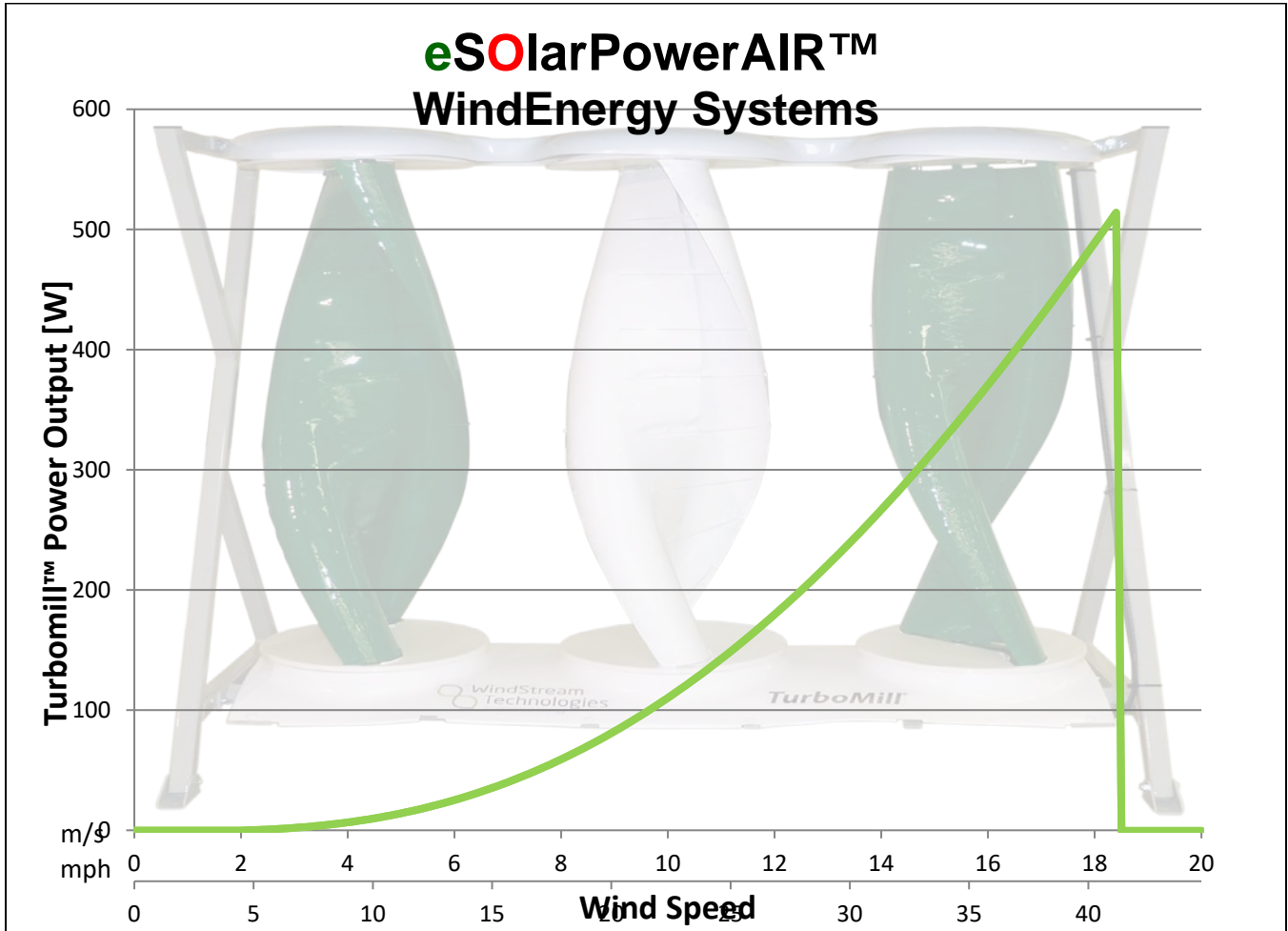
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- ⤴ Long life up to 50,000 hours/ 6 – 7 Years
- ⤴ 50-90% less energy required than incandescent
- ⤴ No glass
- ⤴ No filament
- ⤴ No heat
- ⤴ No UV
- ⤴ No mercury
- ⤴ Lower maintenance/replacement costs

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WIND VELOCITY INTO POWER

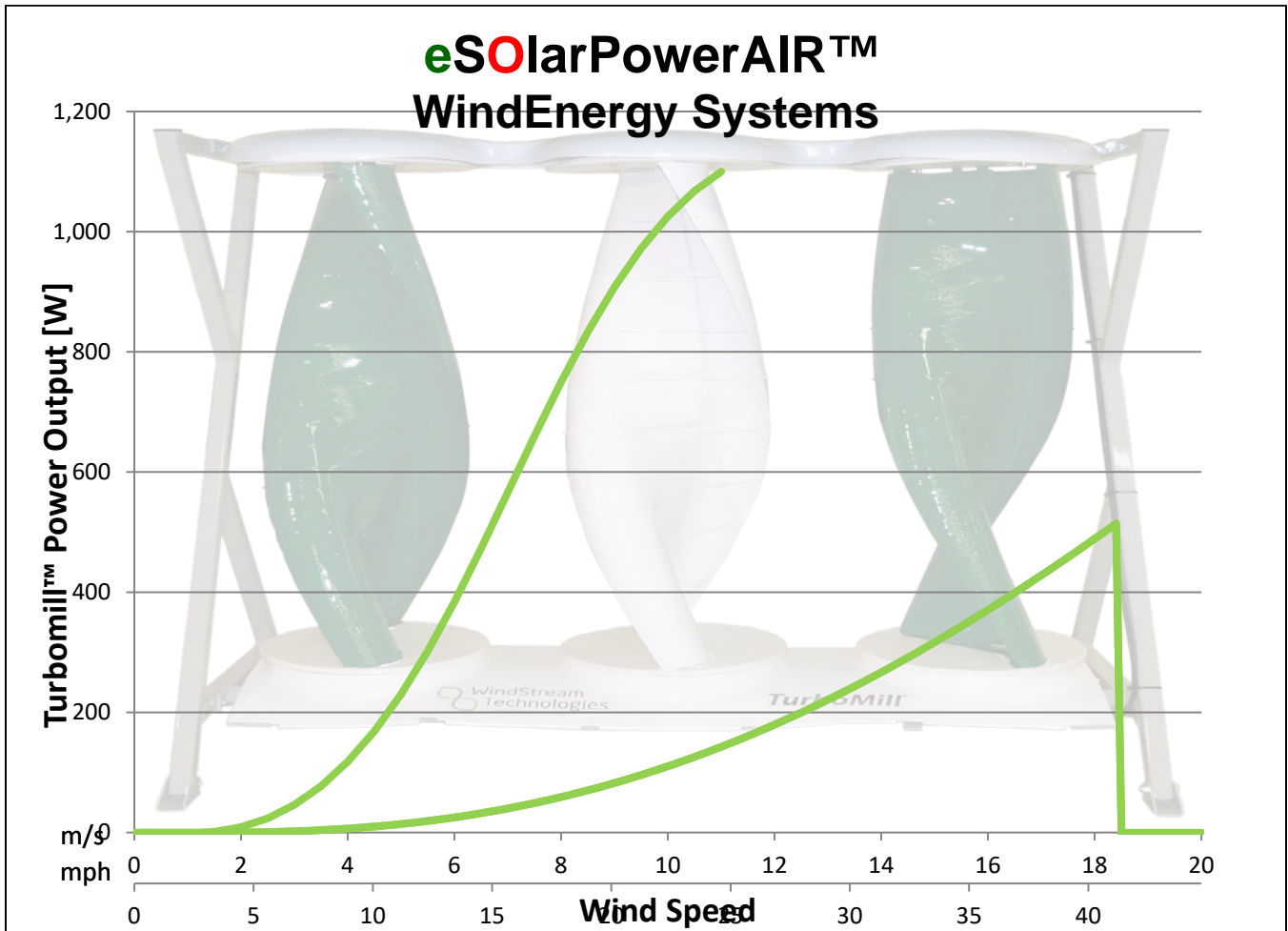


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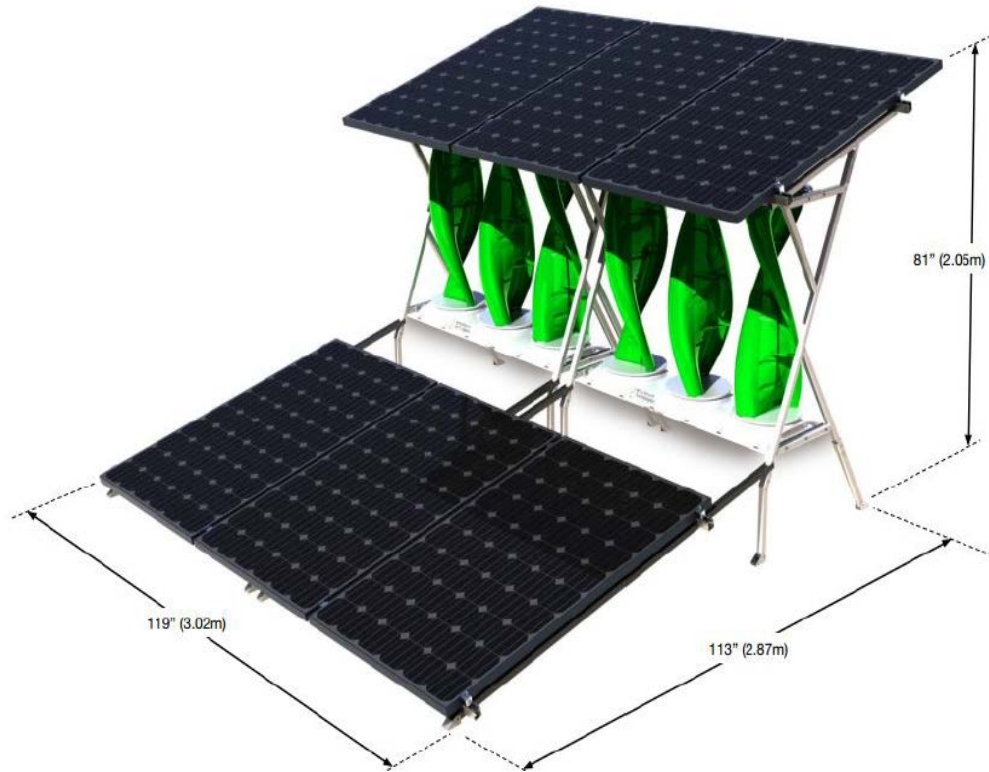
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COMPONENT :

Order #



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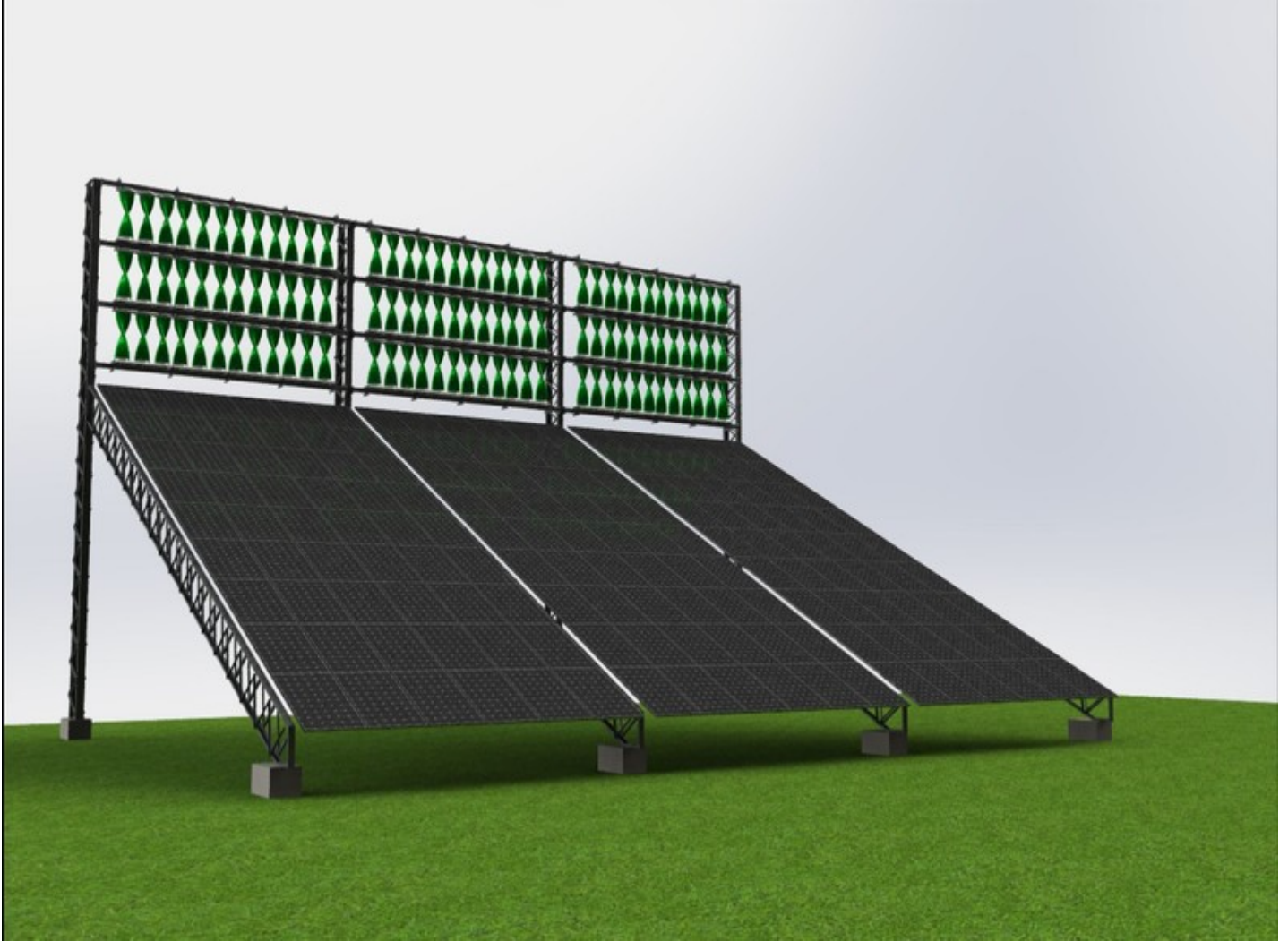
Operating Parameters

Turbine Rated Power Output :	286	Watts @ 11 m/ S
Turbine Maximum Power Output :	1000	Watts @ 17 m/ S
Maximum Voltage :	56	VDC
Maximum Current :	30	Amps
Rotor Diameter :	13	inches / .33 m
Cut-In Wind Speed :	4.5	MPH / 2 m/ S
Cut-Out Wind Speed :	38	MPH / 18.5 m/ S
Swept Area :	1519	inches ² / .980 m ²
Turbine Material :	G-90	Galvanized Steel

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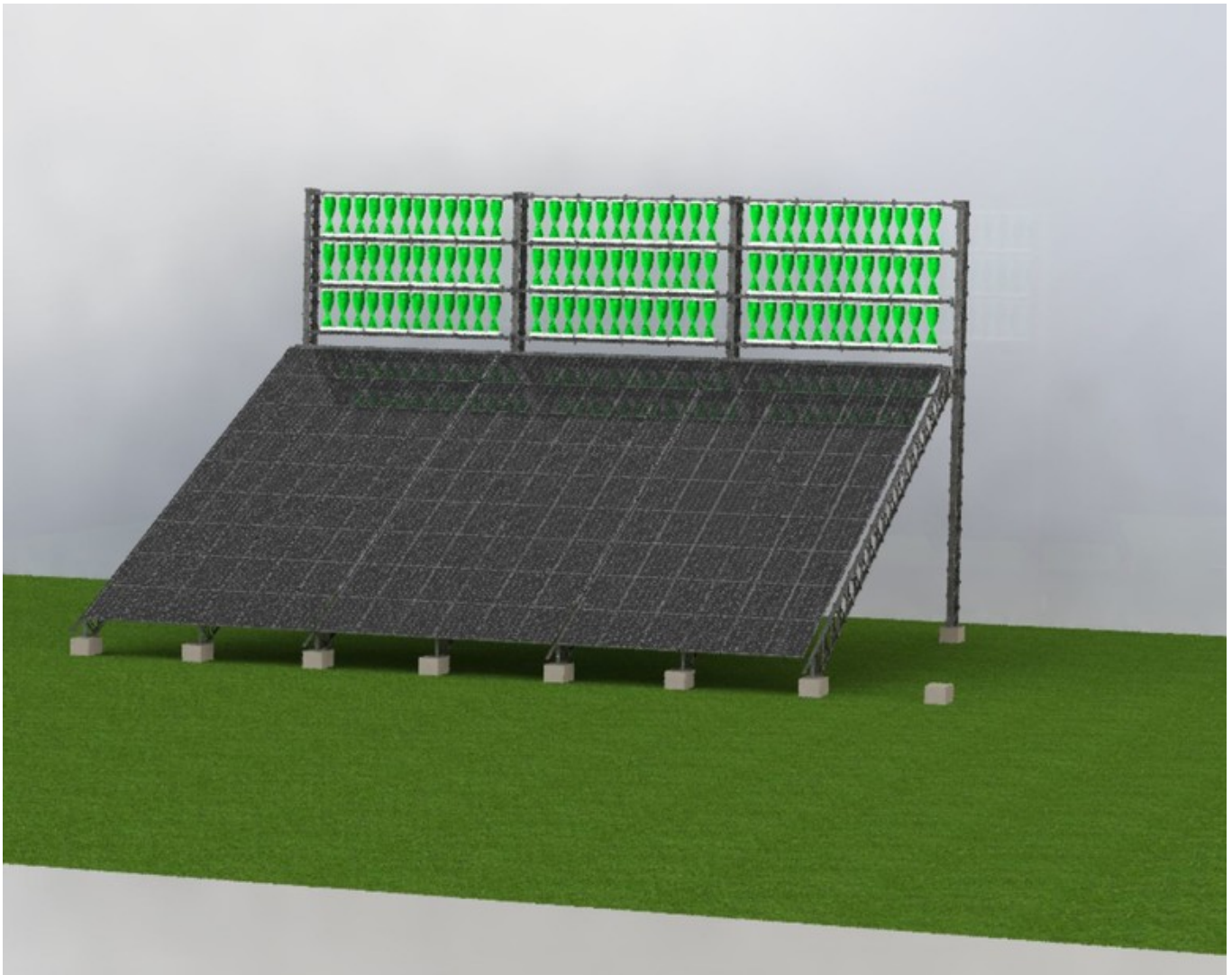
eSOlarPowerAIR MICROGRID



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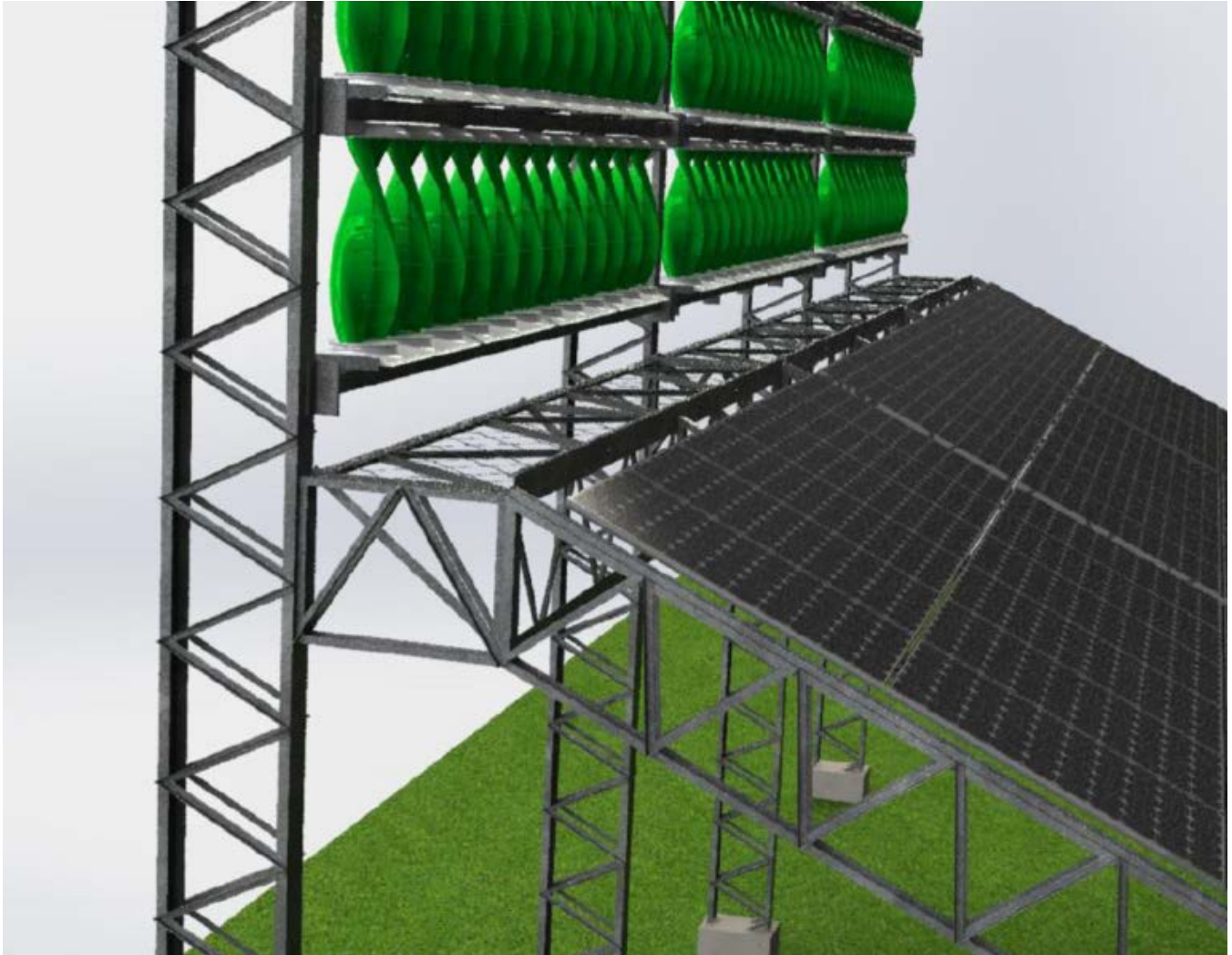
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eSolarPowerAIR MICROGRID **Operating Parameters**

The eSolarPowerAIR Microgrid System is the most advanced wind turbine system available on global markets for the generation of reliable power in community and urban applications.

■ IT IS SCALABLE TO MULTI-MEGAWATT CAPACITIES ■

Turbine Rated Power Output :	15 kW / UNIT
Photovoltaic Rated Output:	15 kW/ UNIT
TOTAL SYSTEM Maximum Power Output :	30 Kilowatts
Maximum Voltage :	56
Maximum Current :	300
Rotor Diameter :	13
Cut-In Wind Speed :	4.5
Cut-Out Wind Speed :	38
Swept Area :	22785
Turbine Material :	G-90

MINIMUM ORDER

■ No minimum when ordering Lights with a complete eSolarPowerCELL™ System

■ 50 Units of Each Lighting Model Purchased if Purchasing Lighting Only

Please consult your local eSolarPower Regional Development Officer

Or



CONTACT: Email Marketoperations@esolartech.com

Voice **317.926.7000**

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Text/ SMS

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