

# Solar / Wind Hybrid Lighting from Eco-\$mart



**Introducing:** An innovative approach to off-grid lighting, combining the latest and best technologies in Photovoltaic Energy, Wind Energy and LED Lighting. Our unique solutions are German engineered for durability and reliability and can be custom designed for your applications.

## **Features:**

**Proprietary PV** - wrapped around the pole for extreme wind resistance and virtually no cleaning required, 24% efficient monocrystalline solar modules. Gains solar energy even in diffuse light conditions.

**Vertical Axis Wind Turbine (VAWT)** - provides excellent power generation without any harm to birds.

**Lithium LiFePO4 Batteries** - 10 year expected life span, stored within the pole including passive cooling (or insulation for extreme cold climates). Security door is only accessible with security key. Batteries sized for 3-day light operation without charging.

**Latest, Most Efficient LED Lighting** – Continuously dimmable (to 100%), programmable, super high output (195 lumens per watt). Available in any color temperature desired.

**Robust Steel Pole** - hot-dip galvanized, primed and powder coated for C5M Marine Grade corrosion resistance - highest level available.

**Optional Features** - Wi-Fi/4G Camera, Remote Communication 4G/GPRS or ZigBee/Lora Wan.

**Please let us know the details of your lighting and project requirements for a free estimate and lighting layout.**

For more information, contact: Eco-\$mart, Inc. 941.376.8484 ph / [info@eco-smart.com](mailto:info@eco-smart.com)  
In business providing sustainable construction solutions since 1993.