

Hybrid Wind & Solar Street Light



DNE SLSP-K120-00-4500

This exciting new energy technology provides street lighting, security lighting, and other remote lighting needs free from the power grid. Whether your aim is to save money on street lighting, provide lighting for a golf course, car park, campus or driveway this is the renewable power source for you.

The Latest in Green Energy

A new concept in amenity lighting designed for the 21st Century, providing illumination at almost any location remote from the grid electricity supply. An innovative, environmentally friendly, and completely independent outdoor lighting system that is cost effective and simple to install almost anywhere. Energy saving LEDs are switched on automatically by a light sensor to make efficient use of generated power.

The DirectNu solution features a revolutionary wind turbine design that addresses shortcomings in other wind technologies. Very low wind speeds are required to start the turbine due to the inner (Savonius) blades and low startup torque. Efficient operation at very high wind speed is enabled by the external (Darrieus) blades. This combination allows the turbine to operate efficiently in a wide variety of wind conditions.

TURNKEY SOLUTIONS

Our Solar Canopy-Carport Solutions are complete and easy to install

TESTING & CERTIFICATION

DirectNu's products are tested in a variety of conditions to guarantee specified performance. In addition, all products carry CE Certification

TECHNICAL SUPPORT

DirectNu provides full technical support for our products as well as design and planning of systems to meet your needs

SERVICES AVAILABLE

- Technical Support
- Installation and Setup
- Maintenance
- Repair Support
- Guaranteed Warranty

Data Sheet

Hybrid Wind & Solar Street Light

- The latest in resourceful hybrid wind/solar solutions
- Attractive decorative pole with strip lighting
- Fully automatic operation
- Wind turbine is virtually noiseless due to its revolutionary vertical blade design making it suitable for urban installation
- Excellent wind direction adaptability
- Designed for remote installation – no grid connection required

DNE SLSP-K120-00-4500	
PRODUCT DIMENSIONS	
Overall Height	24.1 feet
Pole Height	20.4 feet
Pole Diameter	1.0 feet
Rotor Diameter	4.1 feet
WIND TURBINE SPECIFICATIONS	
Type	Vertical Axis
Cut in	< 7 mph
Cut out	35 mph
Rated	30 mph
External Darrieus Blades	3 blades in anodized aluminum
Internal Savonius Blades	2 layers in anodized aluminum
Wind Generator	300W – 3 Phase AC Coreless, Synchronism PMG
SOLAR PANEL SPECIFICATIONS	
Dimensions	58 x 26 inches
Material	Silicon mono crystalline
Output	120W
LED LAMP SPECIFICATIONS	
Brightness	1430 Lumens (24W Street Lamp)
Lifetime	50,000 Hours
Power Consumption	12V, 2 Amp for the 24W LED
Reflection Material	Nylon fiber - electroplated
Lamp Shell/Cover	High pressure die casted aluminum alloy/Polycarbonate

WIND POWER

DS-300 Vertical Axis Wind Turbine
300W Rated Power

SOLAR POWER

Silicon mono crystalline
120W Rated Power
TUV / IEC 61215

LAMP

24W LED. 1430 Lumens
16W Deco Strip Lights
2 x 1W Spot Lights on Turbine

CONTROLLERS

Hybrid Power / LED Light Controllers
400W Wind Power
200W Solar Power.

BATTERY

4 Silicon gel deep cycle batteries
12V/46Ah each
184Ah total storage

SUPPORTING POLE

SS400 grade steel pole with
surface painting in CNS4900
standard

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