

# NextGen Solar Hybrid LED light towers

**NextGen Solar Hybrid light towers provide an easy, no-compromise, added benefit solution that can save customers money, labor, and greatly reduce emissions.**

This **NextGen Solar Hybrid LED** light tower made by Dominight provides a safe, silent, and dependable source of brilliant LED flood-lighting that requires less maintenance, less fuel, and generates lower emissions and sound pollution than standard diesel light towers. It provides 600 watts of ultra-high efficiency lighting, 800 watts of solar collection, and is backed by an ultra-high efficiency, custom HATZ diesel engine. This unit will provide 365 days of dusk-to-dawn operation in the most demanding conditions. The unit features state-of-the-art performance and safety features such as a lithium-ion power storage system, monocrystalline solar array, Tier 4 diesel engine, and optional GPS-based performance monitoring and security system. Most of the rental units have 3kW, 120V AC power.



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**717-508-0550 (Hershey) | 724-591-8655 (Pittsburgh)**

<b>LED</b>	6 x 90W 60,000 lumens * Custom options available
<b>LED Control</b>	Automatic, Electromechanical rotate and tilt
<b>Solar</b>	Monocrystalline ~ 800W Advanced MPPT
<b>Battery Capacity</b>	Lithium-ion 5.2kWh
<b>Engine</b>	Tier 4 HATZ diesel engine
<b>Fuel Consumption</b>	0.18–0.9 gal/night
<b>Fuel Tank</b>	36 gal 40–200 day refuel cycle
<b>Dimensions (L x W)</b>	7' x 7'-11"
<b>Mast Height</b>	24'

*\*Specification subject to change*

## Benefits

- **Reduces fuel consumption** by up to 90%
- **Reduces emissions** by up to 90% (includes nitrous oxides, sulfur oxides, hydrocarbons, diesel particulate matter and carbon dioxide)
- **Automated operation** (auto ON/OFF, refuel cycle between 50-70 days)
- **Plug in to shore power for silent operation**
- **Reduces labor costs** by automated operation

## Safety

- **Directional lighting** reduces glare (ideal for roadways, dump sites, anywhere there is manually operated equipment)
- **Instant ON/OFF** (no warmup period as required by standard diesel tower)
- **Silent operation** for 90% of the time it's in use
- **Improved light distribution** reduces "hotspots" and shadowing

## Ease of Operation

- **One-person setup** and teardown (approx. 5 minutes)
- **Remote monitoring** of system critical metrics such as fuel level, lights ON/OFF, engine runtimes, location
- **Hydraulic mast** and solar tilt
- **Units designed for automatic operation** from dusk to dawn
- **Precision Aim Package** includes electronic rotate and tilt of lights from control box

## Available Models

- **Solar AGM** (Solar + SLA AGM batteries) and **NG Solar** (Solar + Lithium-ion batteries)
- **NextGen Solar Hybrid LTE** (Solar + Diesel Engine + Lithium Ion Batteries)



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