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Hybrid Tower LED 444PC

Using the very latest technology, this portable light tower combines the best features of conventional light towers in a lighter, greener and more cost effective package. Gone are the days of spotlight lighting with high heat, mercury filled bulbs. Four LED lamps provide instant, daylight type light for 85% less consumed power than traditional towers, resulting in huge fuel savings and reduced CO2 output. Initial power comes from four industrial AGM batteries, for 6 - 24 hours of silent operation. However, the Hybrid Tower LED 444 comes equipped with a unique, patented charging system which allows for multiple backup sources of power generation including solar, generator and electric household current. You can be sure that the Hybrid Tower LED 444 will work 100% of the time. The Hybrid Tower LED 444 delivers this green performance for nearly the price of a conventional tower, making it the only choice for portable lighting.



Specifications

- DOT trailer with lights, optional brakes
- Stabilizers - 2 extendable outriggers; 1 trailer jack
- Axle - 3000 lbs.
- Wheels - 13"
- Weight - approx. 2,150lbs.
- Hitch - 3 position adjustable ball, optional Pintle Hitch
- Top mounted fork pockets and single lifting eye

Dimensions

- Unit width solar panels retracted - 69"
- Unit width solar panels open - 112"
- Unit width stabilizers extended - 146"
- Unit length with tongue retracted - 146"
- Unit length with tongue in towing position - 174"
- Unit height with mast lowered - 72"
- Max height with mast extended - 30'

Batteries

- 4 deep cycle AGM batteries, optional lithium cells
- Each battery 6 volt, 420 amp hours

Mast

- Top of mast rotates between standard and streetlight mode*
- Wind stability to 45 mph, sustained
- 3 stage mast extends to 30 ft.

Lights

- 4 quick connect LED lights, 4 year limited warranty
- 320 watt each, dimmer controlled
- Instant on/off
- 365-day programmable timer for lights, on/off
- Lens pattern spread of 150 degrees
- 4 additional DOT lens patterns available

Generator

- 10kw Perkins diesel tier 4 final, Standard
- Honda GX270 5kw Generator, Optional
- 12 - 22 gallon fuel tank
- 2, 20A/120 v receptacles
- Electric start
- Automatic start for low battery when in auto mode

Solar Panels

- Four 100 watt panels, expandable to 1600 watts
- Operating temperature -40C to 46C
- 4 year limited warranty

* Patented

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Hybrid LED light Tower

- Towable light tower with integral, tubular frame suitable for highway or off-road conditions
- The unit frame is of all steel design with powder coat paint
- All electrical is certified UL and CSA
- The end of the mast has 120 volt accessory power to quick attach video surveillance, a video monitor, additional lighting, traffic control equipment, or any other accessories
- The trailer tongue can be recessed into the frame to shorten the length for transport or to deter theft
- All doors and the mast are lockable to deter theft and vandalism
- Light tower designed to perform safely in sustained winds of up to 45 mph
- Each light is connected to the end of the mast by means of a quick connect system. Each light can be completely removed or reattached in seconds
- The lights are attached to the end of the mast on a manually adjusted rotation system that allows the lights to rotate from a traditional light tower position with all four (4) fixtures facing forward to a street-light position where all lights are facing down.

In the street-light position, lighting meets all IES anti-glare standards for highway and airport lighting.

Power/Hybrid System

- Hybrid design incorporates a minimum of four (4) separate power sources; batteries, solar panels, generator, and grid power
- Hybrid system has a fail safe operation where switching between power sources is automatic and requires no operator input or adjustment
- Solar panels are folded in and protected from exposure during transport and folded out for operation. The angle towards the sky for the solar panels are adjustable
- Solar panels fold out to provide 400 watts of power with an additional 100 to 800 watts of field mounted solar panels
- An internal, integral ten (10) kw generator is equipped with an electronic engine controller that allows operator to select between on, off, or auto mode
- Under auto (automatic) control, the engine reads primary battery voltage (not the starter battery). If the voltage drops below a specified voltage (adjustable and predetermined by the owner), the engine will start automatically.
- When the engine is operating; power is supplied to run lights, supply auxiliary 120/240 volt power, and recharge the primary batteries
- An integral 22 gallon fuel tank is mounted inside the unit
- An external, standard 120 volt electrical plug will simultaneously power the lights, supply auxiliary 120 volt power, and recharge the primary batteries



Our Service

Lookout Instruments, LLC is a sister company to Signal Power, tasked with implementing new and innovative technologies at the top of the light tower mast. At Lookout Instruments we see our light tower as more than a light, we see it as a platform for technology built around our patented hybrid power solution and quick disconnect system. These technology include but are not limited to

Cellular Based Surveillance

Mass Notification Systems

Radar Surveillance Systems

Gunshot Detection Systems

Wide Area Mesh WIFI

Air Quality Monitoring Systems

