

HYBRID SITE SECURITY AND LIGHTING PLATFORM

Hybrid Light Tower

AG-HT100 • SPECIFICATION AND APPLICATION DATA

A trailer-mounted hybrid security and lighting platform built for long autonomous runtime on remote and off-grid sites. It pairs a Kubota diesel genset with a lithium battery so the engine only runs when it needs to, cutting fuel burn, emissions, refuelling trips and maintenance. Lit perimeters deter theft, vandalism and after-hours intrusion, and the AG-HT100 delivers that coverage for up to 8 hours per battery charge.


8HR

Battery-only runtime

25FT

Extended mast height

4-6

160 W LED lamps

320L

Fuel capacity

KEY FEATURES

- Lithium battery runs the lights for up to 8 hours on a single charge
- Generator auto-cycles to recharge, with major fuel and emissions savings
- Reduced refuelling and maintenance costs
- LED lamps with instant on and off
- Durable, dependable diesel engine and generator combination
- Hydraulic vertical mast for quick, simple operation
- Transport Canada and CSA approved

LIGHT TOWER MAST

- Four or six 160 W LED lamps
- 25 ft extended height
- 360° rotation
- Hydraulically operated mast
- All electrical connectors approved for outdoor use
- Electrical cord and hydraulic cylinder protected from accidental damage
- All sections powder-coated black

FUEL TANK

- 320 L (84.5 US gal) capacity
- Heavy-duty baffled fuel tank
- Standard spill containment

SECURITY APPLICATIONS

- Active crime deterrence through high-visibility lighting
- Secured construction sites and laydown yards
- Remote or off-grid asset protection with long autonomous runtime
- Temporary perimeters and after-hours coverage
- Pairs with Aventyr mobile surveillance and 24/7 monitoring

AG-HT100 • ENGINE, HYBRID SYSTEM AND TRAILER

Powertrain and chassis specifications



ENGINE AND GENERATOR SIDE



TRAILER AND HITCH

ENGINE AND GENERATOR

- Kubota diesel engine
- Stamford brushless alternator, AVR controlled
- Electronic governor
- Standard safety shutdowns (low oil pressure)
- Battery with plastic battery box
- Electric glow plugs
- Vibration isolators
- 50/50 antifreeze
- Block heater

HYBRID SYSTEM

- Generator powers the lights and charges the battery
- Lithium battery
- Automatic controller for ease of use
- Dusk-to-dawn sensor
- Auto engine cycling, runs only as needed
- Up to 8 hours of continuous battery-only lighting

TRAILER

- 4,500 lb Torflex axle
- 15-inch white spoke wheels
- Four transport tie-downs
- Tubular welded construction
- Standard seven-pole trailer plug
- Step at front for easy lamp access

- Combo hitch: 2-inch ball and 3-inch pintle ring
- Outriggers with spring latch and 2,000 lb jacks
- DOT-approved run, stop and turn lights
- Electric brakes with break-away kit
- Forklift pockets and lifting bail
- Illuminated licence plate holder
- Transport Canada approved

Ready to deploy on your site?

Lighting is the deterrent layer. Pair the AG-HT100 with AutoGuard surveillance and Aventyr 24/7 monitoring.

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