



HYBRID Light Tower

4 Highly efficient 500W LED fixtures with a total of 330,000 lumens providing a broader illumination footprint. A hands down choice over the competition.

**Innovative designed
wide angle maintenance
door and trunk for access**

SAVE

34%
FUEL COST



SAVE

45%
LABOR COST



SAVE

47%
MAINTENANCE COST



GRANDWATT NEVADA series HYBRID is an advanced lighting tower that operates from diesel and lithium battery combination. Utilizing latest, hybrid technology, it will save 34% fuel cost, extend 58% maintenance period, refueling cycle increase 86% than diesel only, which will save labor cost drastically. In the meanwhile, it will reduce CO2 emissions and noise at night. The HYBRID is ready to apply in road construction, mining, oil field, events and military, provide continuous all-weather and all years round illumination.

Highlight Features

- 01 4x500W LED, 330,000 Lm
- 02 $\pm 90^\circ$ Manual lighting frame tilt with lockable pin
- 03 359° Manual rotation with multi-angle locking
- 04 8.4 meters max. height with hydraulic telescopic mast hot dipped
- 05 Innovative designed wide angle maintenance door and trunk for conveniently access
- 06 Foldable stepping board for adjusting lights and horizontal angle
- 07 The AMOSS kit automatically lowers the light tower mast when handbrake released.
- 08 4 sides stabilizing legs with retractable tube.
- 09 3 Direction fork-lift slots for quick and precise placement of units
- 10 Seismic-resistant lithium battery suitable for towing

RUNNING TIME



From Battery
7 hrs/day

REDUCTION



Noise

RUNNING TIME



From Engine
5 hrs/day

REDUCTION



CO₂ emissions

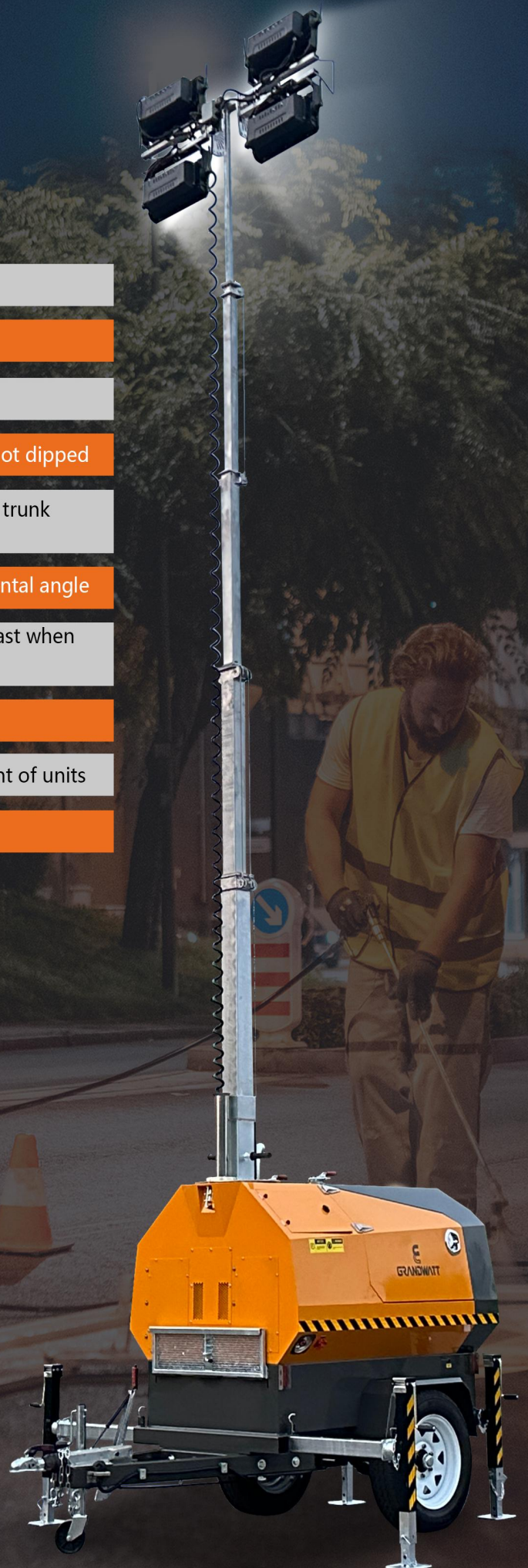
RUNNING TIME



Before Refill
318 h
Fuel Tank Capacity 245 L



40,000 sqm
area illuminated



Applications



Events



Construction



Oilfield & Mining



Disaster Relief & Rescue



Military



Comparison

Comparison with Diesel and Hybrid Model

Model	HNW9-R2000 (Diesel only)	HNW9-R2000 /DB (Diesel & Lithium Battery)	Hybrid Model Advantage (Increase or Decrease Percentage)
Engine	Yanmar 3TNV76	Yanmar 3TNV76	/
LED	4*500W	4*500W	/
Fuel consumption per 12 lighting hours	13.92 liter	9.25 liter	Decrease 34%
Fuel Consumption per hours	1.16 liter	0.77 liter	Decrease 34%
Fuel tank	245 L	245 L	/
Refueling cycle	211 hrs	318 hrs	Increase 86%
Silent lighting time per day	N/A	7 hrs	/
Engine running time per day	12 hrs	5 hrs	Decrease 58%
Fuel cost calculated as US\$0.85/liter, running 2,000 hours	US\$1,972	US\$1,309	Decrease 34%
2000 Hours Routine Maintenance Parts Cost	US\$412	US\$218	Decrease 47%
Labor cost calculated as running 2,000 hours, estimated US\$200 per time	US\$1,800	US\$1,000	Decrease 45%

Remark: Above calculation is based on working time 12 hours per day, 30 days per month, not including changing engine oil cost and travelling cost. Different region has different fuel cost, different labor cost and different calculation results.

Standard Model		HN9-R2000/DB
Lighting	LED	4*500W
	Luminous Flux	330,000 Lumens
Towing Dimensions	Length	10' 2" (3,100 mm)
	Width	5' 5" (1,650 mm)
	Height	8'6" (2,590 mm)
Operating Dimensions	Length	10' 2" (3,100 mm)
	Max. Width	10'8" (3,250 mm)
	Max. Height	27'6" (8.4 m)
Transport Sizes & Weight	Length*Width*Height	6'(1,850 mm) * 5' 5"(1,650 mm) * 8'3½"(2,530 mm)
	Gross Weight	3,307 lbs (1,500 kg)
Vertical Tower	Structure	6-Section Tubular Steel Design
	Actuation	Hydraulic Cylinder
	Rotation	359° Manual with Lockable Pin
	Lighting Frame Tilt	±90° Manual with Lockable Pin
	Max. Wind Speed	110 km/h
Engine	Model	YANMAR 3TNV76
	Engine Characters	3 Cylinders, 4 Cycles & Water Cooling
	Speed	1,500 RPM
Alternator	Model	SINCRO FB4-48/150
	Insulation	Class H
	Voltage	DC 48V
Battery	Lithium Battery	2*150Ah
	Charging Times	5 hours
	Discharging Times	7 hours
General Data	Control System	SmartGen ALC404
	Fuel Tank	245 L (65 US gal)
	Hybrid Mode Consumption	0.77 L/hrs
	Run Time before Refuel	318 Hours
	Noise Level dB(A) at 7m	69.2 dB(A)
Trailer	Suspension & Brake	Leaf Spring Axle with AMOSS Kit
	Towing Bar	"A" Style with a Supporting Wheel
	Stabilizers	4 Extendable Jacks
	Wheel	16"
	Towing Coupler	2 Inch Ball Hitch
	Trailer Lights	AU Standard Tail Lights & 4*Side Marker Clearance Lights
	Max. Towing Speed	62 mph (100 km/h)
Transport	Loading or Unloading	2 Sides and Rear Forklift Pockets
	Number in 40' High Cube	7