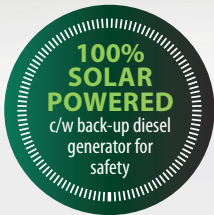


X-SOLAR HYBRID (LED-4)

Towable mobile solar hybrid diesel lighting tower

**9M
MAST**

When looking for an advanced, industry-suited, reliable solar lighting tower, look no further than our X-Solar Hybrid (LED-4) c/w an internal back-up generator, meaning that you'll never be without light, whatever the season or weather conditions.



**SAVE
ON FUEL**
by up to
£2,431
per year*



**SAVE ON
SERVICING**
by up to
£2,550
per year*



**ZERO
NOISE**
When in
Solar Hybrid
Only mode



**CUT CO₂
EMISSIONS**
by up to
11,123 Ton
per year*



**SAVE ON
MANPOWER**
by up to
**£3,640 /
104 hours** per year*

*When in solar battery mode

Features

Zero fuel usage*

Zero CO₂ emissions*

Zero noise*

An MHM Dusk 'Til Dawn Auto On/Off Sensor

AMOS system (Automatic Mast Operating Safety system)

4 x 100W LED lighting head

9m vertical stainless steel mast

Side fork pockets

Fully bundled base

Road towable

Benefits

Improving efficiency and cost savings

Saving the environment

No noise pollution

Light will automatically turn on/off as per sunset and sunrise – *when in Auto mode only*

Prevents towing of the machine when the mast is upright

Illuminates 2,400m² @5 lux min.

For quick and simple erection

For extra safe on-site lifting

To retain all spilt fluids

For ease of transport

X-SOLAR HYBRID (LED-4)

Specification

Performance

Generator (230v)	3.5kVA/2.8kW	Insulation Class	H
Battery Power	24DC 400Ah	Mechanical Protection - IP	23
Battery	AGM Gel Sealed	Noise Level - Gen Model	LWA=89 dBa@7m=64
Expected Battery Cycle	500	Noise Level - Solar Battery Model	= 0

Engine

Make	Kubota	Cooling	Water
Type	Z482	Fuel Consumption - Litres/ Hour	0.5
Fuel	Diesel	Fuel Tank Capacity - Litres	300
Number of Cylinders	2	Runtime @ 100% Engine Mode + All Lights On (Hours)	600
Power - HP	7	Runtime @ 100% Solar Hybrid Mode + All Lights On (Hours)	Unlimited (dependant on weather conditions)
Engine Speed - RPM	1500		

Lighting

Illumination @5 lux	3,000m ²	Mast Rotation	360°
Lighting Head	4 x 100W LED	Mast Type	Manual
Max Mast Height	9m	Certified Wind Stability	110kmh / 70mph

Dimensions (Machine only, no trailer, fenders or stabiliser legs)

Length: 2560 mm	Width: 1190 mm	Height: 2180 mm
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Dimensions (Storage mode, mast down, stabiliser legs in)

Length: 3820 mm	Width: 1600 mm	Height: 2568 mm
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Dimensions (Operation mode, mast up, stabiliser legs out)

Length: 3820 mm	Width: 2674 mm	Height: 9000 mm
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Weight

Dry Weight (No Fuel): 1890 kg	Wet Weight (Fuel Full): 2190 kg
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SAVE ON FUEL

Reduction in fuel costs by up to
£2,431



SAVE ON SERVICING

Reduction in servicing costs by up to
£2,550 per year*



ZERO NOISE

When in Solar Hybrid Only mode



CUT CO₂ EMISSIONS

Reduction in CO₂ emissions by up to
11,123 Ton per year*



SAVE ON MANPOWER

Reduction in cost & time
£3,640 / 104 hours per year*

TOTAL COST SAVINGS:
UP TO
£8,261
per year

	FUEL USAGE	FUEL COST PER YEAR (Average working hours of 11.5 per night over 365 days)	ROUTINE MAINTENANCE & SERVICING (Average working hours of 11.5 per night over 365 days per year with an average service cost of £300 per 500 hours of engine use)	NOISE LEVEL	CO ₂ EMISSIONS PER YEAR (KG) (Average working hours of 11.5 per night over 365 days @ 2.65kg of CO ₂ per 1 litre of diesel consumed)	MANPOWER SAVING (ie. refuel engine, engine oil & water check & travel time on site, with labour cost at £35 per hour, taking one man 2 hours per week over 365 days)
Standard LED Diesel Driven Lighting Tower	2,114 @ 0.5 L/H	£2,431 @ £1.15/L	£2,550 per year	LWA=89 dBa@7m=64	11,123 Ton per year	£3,640 per year/ 104 man hours per year
X-Solar Hybrid (LED-4) Solar Battery Mode	Zero	Zero	Zero	Zero	Zero	Zero
Annual Savings Using Solar Battery Mode	Zero	£2,431	£2,550	Zero	11,123 Ton	£3,640

* When in solar battery mode

NOTE: All figures are for guidance only. Please contact MHM for your own specific savings.

For more details call **MHM TODAY** on **0808 168 9099**
Email sales@mhmplant.com or visit us at www.mhmplant.com



MHM
The Preferred Supplier



Designed in the UK, built in Italy

All pictures are for illustration purposes only, actual machines supplied may differ in appearance and specification. (11 September 2020)