

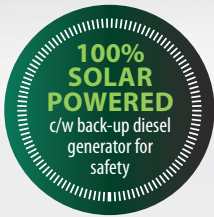
X-SOLAR HYBRID (LED-4)

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@mhm-group.co.uk or visit us at www.mhm-group.co.uk



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)