MOBILIGHT HYBRID 1200

ECO-Diesel

- **2100 MM Frame**
- **600 W LED: MOBILED30**
- **Kubota 1505**
- **13KVA Generator**
- **78 Gallon onboard fuel tank**
- **(8) AGM Batteries, 520 Ah**
- **23’ (7m) Hydraulic Mast**
- **AC Charger: (4) 40A 24V**
- **Remote Controlled Rotation and tilt of LED Modules**
- **Auto start controller**
- **Positive Air shutoff**
- **Fire ext standard**

FEATURES AND BENEFITS

BENEFITS OF HYBRID: A solar-powered LED light tower backed by an 18 HP Kubota engine and a 13 KVA generator; the Hybrid 1200 provides unsurpassed dependability while retaining the highest standard of energy efficiency. Intelligent on-board controllers allow for quick and easy setup and enable the user to program the unit once and rest assured that their job-site will be safely lit every night. With the Hybrid 1200, realize a massive reduction in fuel consumption.

BENEFITS OF LEDS: 50,000+ hour lifespan (5x longer than metal halide), vibration and impact resistant, cooler operating temps, no lead or mercury toxins, bright light maintains consistent colour over time, instant on/off – no flickering or warm up/cool down delays, silent operation.

BENEFITS OF SOLAR: Enables use of a free and renewable source of energy, convenient recharging method in remote areas, and emissions-free.

ENVIRONMENTALLY RESPONSIBLE: Reduce CO2 emissions and particulate matter.

LOW MAINTENANCE: Minimized refuelling, less engine maintenance, long lasting LEDs.

STANDARD FEATURES
- Hydraulic Mast
- Digital Timer, Photo-Eye or Manual On/Off Control

LIGHTS
- Electric Actuators for Tilt AND Rotation Control
- IP68 Rated

UPGRADES AND OPTIONS
- GPS Security and Performance Monitoring

BATTERIES
- AGM Sealed-spillproof, no maintenance, recyclable, high performance, vibration-resistant

Traditional Diesel Light Tower Operating Cost

Light Tower Utilization							
Days of Operation per Week	7	6	5	4	3	2	1
Hours per Night	14	14	14	14	14	14	14
Hours of Operation per Week	93	84	70	56	42	26	14
Hours per Years	5096	4368	3640	2912	2184	1456	728
Annual Operation Costs							
Fuel							
Fuel Consumption (liters per hr)	3.78	3.78	3.78	3.78	3.78	3.78	3.78
Fuel Consumption (liters per year)	16,511	14,152	11,794	9,435	7,076	4,717	2,359
Fuel Price per Liter	$1.30	$1.30	$1.30	$1.30	$1.30	$1.30	$1.30
Yearly Fuel Cost	$21,464	$18,398	$13,332	$12,265	$9,199	$6,133	$3,066
Refueling Labor Costs							
Hourly Labor Cost	$80	$80	$80	$80	$80	$80	$80
Number of Labor Hours to Refuel	2	2	2	2	2	2	2
Fuel Consumption (liters per year)	16,511	14,152	11,794	9,435	7,076	4,717	2,359
Average Fuel Tank Size (liters)	135	135	135	135	135	135	135
Number of Times to Refuel *per* year (fuel consumption on/ave fuel tank size)	126	107	89	71	53	36	18
Annual Refueling Labor Cost (labor cost • hours • number refuels)	$20,160	$17,120	$14,240	$11,360	$8,480	$5,730	$2,880
Oil							
Cost of Oil Change Every 240 hours (parts and labor included)	$150	$150	$150	$150	$150	$150	$150
Annual Cost of Oil Changes	$3,185	$2,730	$2,275	$1,820	$1,365	$910	$455
Air Filters							
Cost of Air Filter Change every 500 hours (parts and labor included)	$100	$100	$100	$100	$100	$100	$100
Annual Cost of Air Filter Change	$1,019	$874	$728	1582	$437	$291	$146
Lights							
Cost of 4 Lightbulb Replacements	$300	$300	$300	$300	$300	$300	$300
Labor Cost	$175	$150	$125	$100	$75	$50	$25
Annual Replacement Cost (based on 1,000-hour lifetime)	$2,421	$1,906	$1,547	$1,165	$819	$510	$237
Total Annual Operating Cost	$48,249	$41,087	$34,122	$27,193	$20,300	$13,603	$6,784
5 Year Operating Cost	$241,246	$205,436	$170,608	$135,963	$101,499	$68,017	$33,918

Hybrid 1200 Light Tower Operating Costs

Days of Operation per Week	7	6	5	4	3	2	1
Hours per Night	12	12	12	12	12	12	12
Hours of Operation per Week	84	72	60	48	36	20	12
Hours per Years (Engine Runtime)	422	362	302	201	181	121	60
Annual Operation Costs							
Fuel							
Fuel Consumption (liters per hr.)	3.73	3.78	3.78	3.78	3.78	3.78	3.78
Fuel Consumption (liters per *year)*	1,595	1,368	1,142	911	684	457	227
Fuel Price per liter	$1.30	$1.30	$1.30	$1.30	$1.30	$1.30	$1.30
Yearly Fuel Cost	$2,074	$1,779	$1,484	$1,184	$889	$595	$295
Refueling labor Costs							
Hourly labor Cost	$80	$80	$80	$80	$80	$80	$80
Number of labor Hours to Refuel	2	2	2	2	2	2	2
Fuel Consumption (liters per year)	1,595	1,368	1,142	911	684	457	227
Average Fuel Tank Site (liters)	295	295	295	295	295	295	295
Number of times to Refuel per Year (fuel consumption/ave fuel tank site)	5	5	4	3	2	2	1
Annual Refueling Labor Cost (labor cost • hours • number refuels)	$800	$800	$640	$480	$320	$320	$160
Oil							
Cost of Oil Change Every 240 hours (parts and labor included)	$150	$150	$150	$150	$150	$150	$150
Annual Cost of Oil Change.	$264	$226	$189	$151	$113	$76	$38
Air Filters							
Cost of Air Filter Change every 500 hours (parts and labor included)	$100	$100	$100	$100	$100	$100	$100
Annual Cost of Air Filter Change	$84	$72	$60	$48	$36	$24	$12
Lights							
Cost of 4 lightbulb Replacements	$2,900	52.9	32,900	52,900	$2,900	$2,900	$2,900
Labor Cost	$5	$5	$4	$3	$2	$2	$1
Annual Replacement Cost (based on 50.000-hour lifetime)	$5	$5	$5	33	$2	$2	$1
Total Annual Operating Cost	$3,227	$2,883	$2,377	$1,866	$1,361	$1,016	$505
5 Year Operating Cost	$16,134	$14,416	$11,886	$9,330	$6,804	$5,082	$2,527

5 Year Operating Cost Comparison	**Hybrid 1200**	**Diesel**
	$16,134	**$241,246**