

TECHNICAL DATA

SOLAR LIGHT TOWER



MPMC POWERTECH CORP.

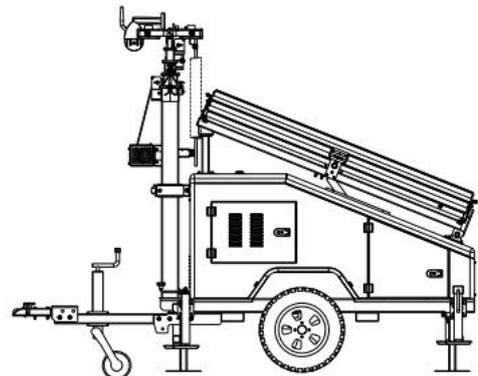
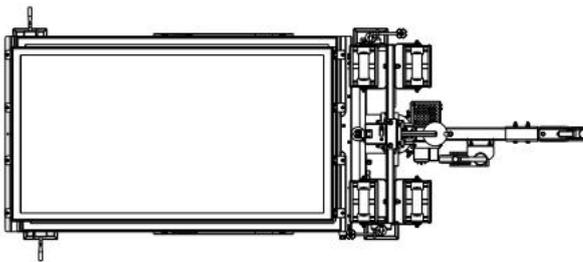
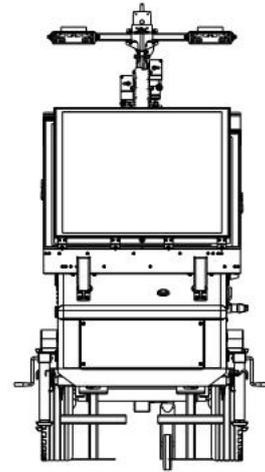
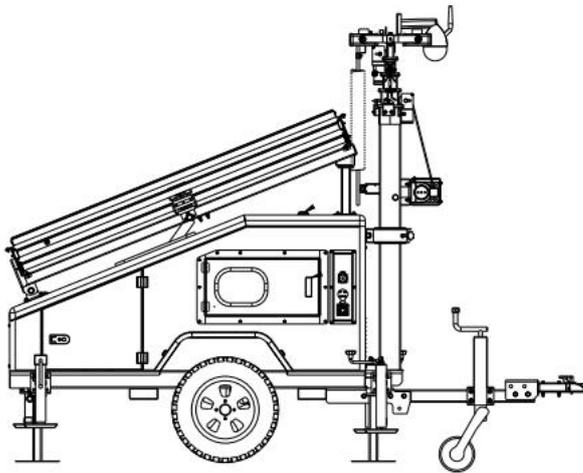
SOLAR

HSL Series

HSL-1000B

Features

The solar light towers take the advantages of solar renewable energy and LED light systems on the road. Ideal for special events, construction sites, security and any other application where on-demand lighting is desired. This system provides cost-effective bright white LED lighting without all of the disadvantages inherent to diesel lighting systems – high operating costs (diesel fuel, maintenance, labor) as well as carbon emissions, noise, fumes and light pollution.



Dimension

Model	HSL-1000B
Expanding Dimensions	3400*2950*7500 mm (LxWxH)
Loading Dimensions	2384*1150*2458 mm (LxWxH)
Weight	740 kg
Loading Capacity in 40 HQ	10 units

General Specification

Rated voltage	DC48V
Rated Power (LED Lamp)	4 × 100W
Solar System Charge Time	4.2Hours
Lighting Discharge Time	12.5Hours
Standby Generator Charge Time	3.3Hours

Solar Panel	
Maximum Power (Pmax)	390W
Maximum Power Voltage(Vmp)	44.71V
Maximum Power Current (Imp)	8.72A
Power Tolerance	0~+4.99W
Dimension	1979*992*30mm(L*W*H)
Lifting angle	Fixed 30°
Extending type	Sliding
Extending area	5.2m ²
Quantity	3pcs
Battery Bank	
Type	LFP battery
Model	100AH 51.2V
Voltage	48V (One battery)
Maximum Charging Current	100A
Quantity	1pcs
LED Lamp	
Input Voltage	DC48V
LED Power	100W
Light Beam Angle	60°
LED Luminous Efficiency	200lm/w
Correlated Color Temperature	5000K
Protection Class	IP67
Quantity	4pcs
Solar Charging Controller	
Model	SmartSolar MPPT 150/35
Manufacturer	VICTRON
Rated Current	35A
Rated Voltage	48V
Floating Charge Voltage	55.2V
Self-power Consumption	10mA
Ambient Temp range	-25 ~ 55
Dimension	590×300×163mm
Weight	13.8kg
Type of Protection	IP43
Battery Charging Control	Stop Charging Voltage: 57.6V
Safety	EN/IEC 62109-1, UL 1741, CSA C22.2
Display Function	Battery Charging and discharging condition

Light Load Model	Settable Load Model a) 24 hours working b) b) Working hours setting c) c) 12hours working at night only
Trailer	
Model	B900 (Off road)
Loading Capacity	900kg
Pulling Speed	≤25km/h
Tire and Rim Size	165R13
Drawing Bar	Ball Type
Stablished Supports	4 * Manual
Mast	
Mast Type	Hydraulic
Maximum Lifting Heigh	7.5m
Mast Rotation	355°
Surface spraying	Galvanized
Option	
Backup Genset	Gas or Diesel , 1~3KW for option
Battery Charger	AC220V—DC24V , 15~45A for option
Inverter	2~5KW for option
Cameras	WIFI or 4G type