

PowerSite 120 | Solar Tower

120W | 18,000Lms | 23Ft



The Beyond Solar PowerSite 120 is quiet, compact, powerful, and perfect for construction lighting, special events, and other types of work zones. It is ideal for construction and other work sites, parking lots, emergency response during natural disasters, and mining sites.



LED Lamp

Lamps Wattage	2*60W
Light Output	120W
Luminosity	18,000Lms
Rated Voltage	DC24V
LED Life Time	>50,000hrs
Light Bar Rotation	Manual (90°Electric Tilting, 350° Electric Rotation Optional)
Protection Class	IP67

Power

Batteries	2x150Ah
Battery Capacity	2560Wh
Battery Type	Deep Cycle Gel Batteries
Recharge Time	10 hrs
Running Time	24 hrs

Solar Panel

Solar Panel	1 x 455W
Panel Lifting	10°~45° Manual Lifting
Dimension	2.094m*1.038m*1
Extending Area	2.17m ²
PV Controller	40A MPPT, 95% Efficiency
Mounting	Aluminium Frame

Solar Charging Controller

Type	Automatic MPPT Controller
Rated Current	35A
Rated Voltage	12V
Floating Charge Voltage	12.4V
Self-Power Consumption	≤30mA
Ambient Temperature	-4°F~58°F

Mast

Max. Extended Height	22.9Ft
Retracted Height	8.8Ft
Mast	22.9Ft 5 Sections
Mast Extension	Manual (1,500lbs Hand Winch/Electric 3,000lbs Winch)
Mast Cable	4*2.5mm TPU
Forklift Holes	2 pcs
Wind Rating	62.1MI/H

Packaging

Dimension	98.4*84.6*106.2In
Weight	1300Lbs
Ground Clearance	22.9Ft
20GP container	8 units
40HQ container	16 units

Model Number	AVS-PS120
SKU	599001

PowerSite 200 | Solar Tower

200W | 30,000Lms | 23Ft



The Beyond Solar PowerSite 200 is quiet, compact, powerful, and perfect for construction lighting, special events, and other types of work zones. It is ideal for construction and other work sites, parking lots, emergency response during natural disasters, and mining sites.



LED Lamp

Lamps Wattage	2*100W
Light Output	200W
Luminosity	30,000Lms
Rated Voltage	DC24V
LED Life Time	>50,000hrs
Light Bar Rotation	Manual (90°Electric Tilting, 350° Electric Rotation Optional)
Protection Class	IP67

Power

Batteries	2x200Ah
Battery Capacity	5120Wh
Battery Type	Deep Cycle Gel Batteries
Recharge Time	10 hrs
Running Time	19.2 hrs

Solar Panel

Solar Panel	1 × 455W
Panel Lifting	10°~45° Manual Lifting
Dimension	2.094m*1.038m*1
Extending Area	2.17m ²
PV Controller	40A MPPT, 95% Efficiency
Mounting	Aluminium Frame

Solar Charging Controller

Type	Automatic MPPT Controller
Rated Current	35A
Rated Voltage	12V
Floating Charge Voltage	12.4V
Self-Power Consumption	≤30mA
Ambient Temperature	-4°F~58°F

Mast

Max. Extended Height	22.9Ft
Retracted Height	8.8Ft
Mast	22.9Ft 5 Sections
Mast Extension	Manual (1,500lbs Hand Winch/Electric 3,000lbs Winch)
Mast Cable	4*2.5mm TPU
Forklift Holes	2 pcs
Wind Rating	62.1MI/H

Packaging

Dimension	98.4*84.6*106.2In
Weight	1300Lbs
Ground Clearance	22.9Ft
20GP container	8 units
40HQ container	16 units

Model Number	AVS-PS200
SKU	599002

PowerSite 400 | Solar Tower

400W | 60,000Lms | 23Ft



The Beyond Solar PowerSite 400 is quiet, compact, powerful, and perfect for construction lighting, special events, and other types of work zones. It is ideal for construction and other work sites, parking lots, emergency response during natural disasters, and mining sites.



LED Lamp

Lamps Wattage	4*100W
Light Output	400W
Luminosity	60,000Lms
Rated Voltage	DC24V
LED Life Time	>50,000hrs
Light Bar Rotation	Manual (90°Electric Tilting, 350° Electric Rotation Optional)
Protection Class	IP67

Power

Batteries	4x200Ah
Battery Capacity	10240Wh
Battery Type	Deep Cycle Gel Batteries
Recharge Time	10 hrs
Running Time	19.2 hrs

Solar Panel

Solar Panel	2 x 455W
Panel Lifting	10°~45° Manual Lifting
Dimension	2.094m*1.038m*2
Extending Area	4.34m ²
PV Controller	40A MPPT, 95% Efficiency
Mounting	Aluminium Frame

Solar Charging Controller

Type	Automatic MPPT Controller
Rated Current	35A
Rated Voltage	12V
Floating Charge Voltage	24.8V
Self-Power Consumption	≤30mA
Ambient Temperature	-4°F~58°F

Mast

Max. Extended Height	22.9Ft
Retracted Height	8.8Ft
Mast	22.9Ft 5 Sections
Mast Extension	Manual (1,500lbs Hand Winch/Electric 3,000lbs Winch)
Mast Cable	4*4mm TPU
Forklift Holes	2 pcs
Wind Rating	62.1MI/H

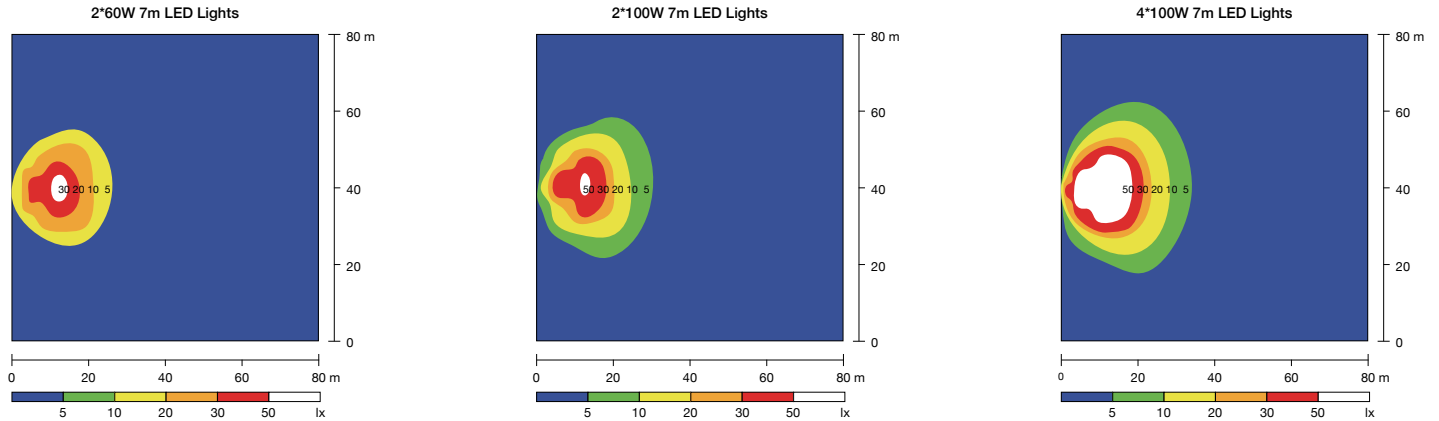
Packaging

Dimension	98.4*84.6*106.2In
Weight	1786Lbs
Ground Clearance	22.9Ft
20GP container	8 units
40HQ container	16 units

Model Number	AVS-PS400
SKU	599003

Light Distribution

Multiple configurations of lights, solar panels and accessories are available for customization. Equipped with ultra-bright LED lights, OPTRAFFIC Solar Light Tower provides the optimal lighting solution that covers large areas up to 27,000 square feet. The gradient distribution ensures sufficient light within certain areas for practical applications.



WEB System

Connected with advanced WEB system, the Solar Light Tower can be operated and monitored online via 4G network. The key parameters are integrated in the system, including brightness level, battery power, temperature, and GPS location.



Features

- High Brightness Energy-Efficient LED Lighting
- Zero noise emissions
- 360° Adjustable and Tiltable Light Fixtures
- Long-Lasting Operation with Low Power Consumption
- Extendable Mono-Crystalline Solar Panels
- Automatic Solar Charging with MPPT Controller
- Easy to Operate, One-Man Deployable
- Compact Structure for Easy Transportation
- Hot-Galvanized and Anti-UV Powder Coated
- Maintenance-Free Gel Batteries

Tiltable LED Lights & CCTV









Solid Support Structure



Anti-UV Powder Coated Finish



-  No Emissions
-  No Engine
-  No Noise
-  No Fuel
-  No Odour
-  Maintenance Free

