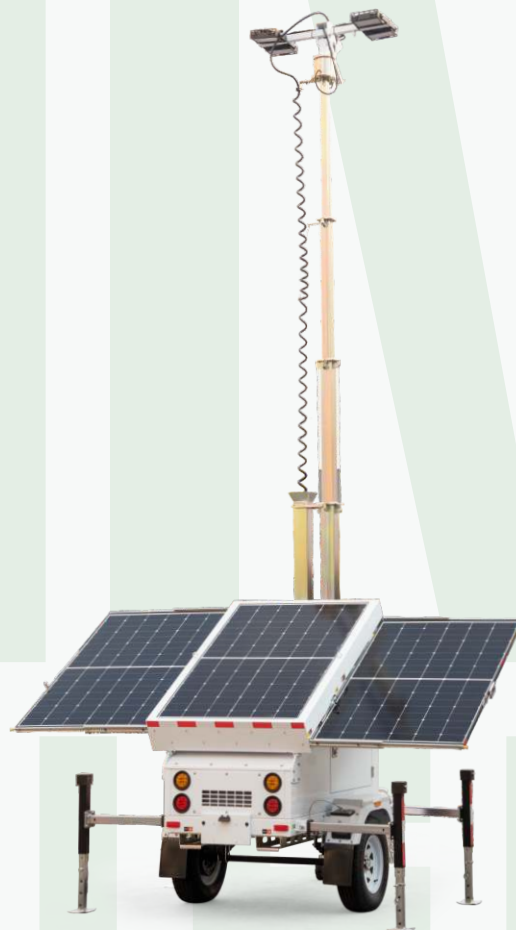
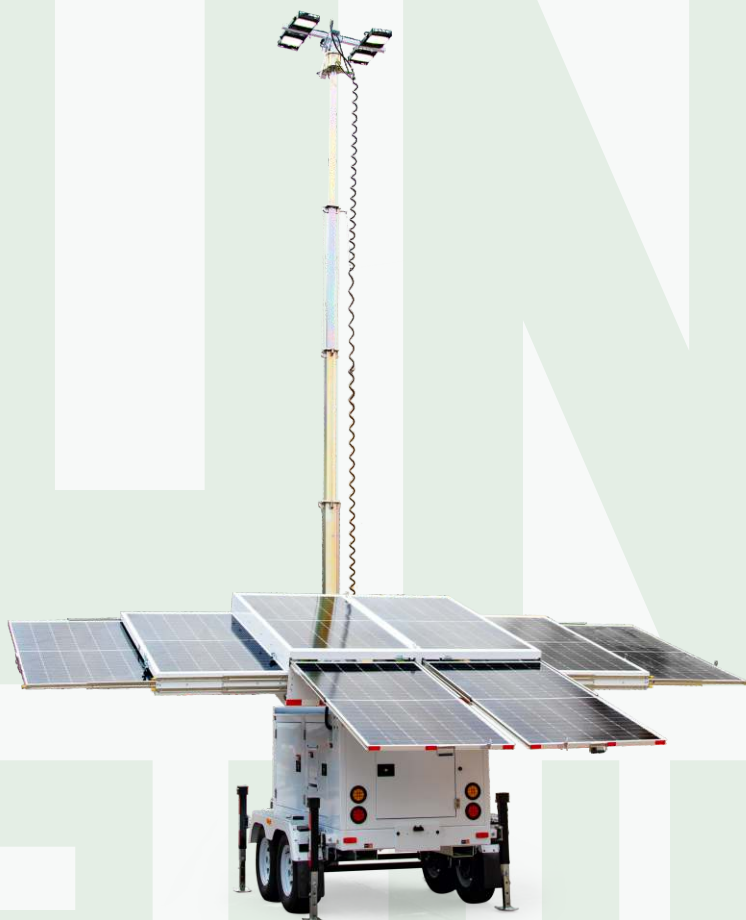


LEADING PORTABLE LIGHTING SOLUTIONS

SOLAR /HYBRID LIGHTING TOWER



ZHEJIANG UNIVERSAL MACHINERY CO.,LTD

LEADING MOBILE SOLAR TRAILER MANUFACTURER,SINCE 2007

WHY CHOOSE UNIV



UNIV is a leading global supplier of power solutions, operating a 45,000m² modern factory with 260 experienced employees and over 200 units of advanced equipment. With an annual production capacity of 6,000 units, we are fully equipped to meet the needs of any project or distributor.

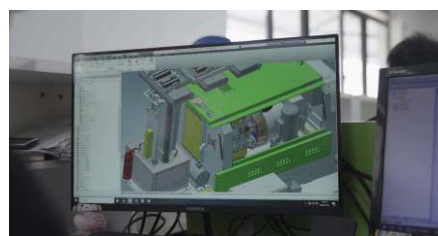
15 Years Experience

In 2009, UNIV developed the first Solar Light Tower, setting the standard in the industry. We continue to launch new models every year, powered by solar, batteries, gensets, wind, fuel cells, and hybrid systems. These towers are used for lighting, surveillance, telecommunications, and energy storage. Our extensive experience and strong R&D capabilities make us the top choice for distributors worldwide.



Keep Moving

UNIV committed to produce better product. We always catch the latest information in industry and upgrade product's tech, humbly accept the customer's feedback to improve the product's detailed. This makes us get the good praise.



OPTIONAL



Victron

Powerful remote system, monitoring the Solar & Battery situation and remote control LED Light on App.



AL-KO

Stronger and durable axle, no worry about the muddy & rugged road, it's popular choice in AU & EU.



Skid Type

Change the trailer to skid base, more stable, no need apply trailer licence.



Inverter

Supply the AC Power to site tools, electric appliance also mobile phone and Laptop.



Security Camera

Mounting the powerful camera to monitoring site, support monitoring 180° wide angle view, smart-tracking, face-capture and video playback.



Hydraulic System

Lifting the mast and panels steady, fastly and easily. Best choice in hire business and construction using.



Backup Genset

3kW Gasoline & 5kW Diesel genset will supply extra 10+ days backup time in badly no sun weather.



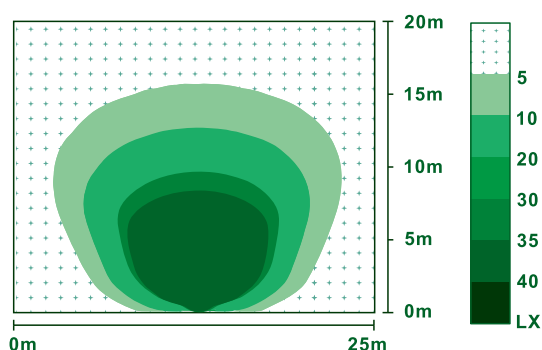
Wind Turbine

400W Vertical Wind Turbine could as a backup power if there have big wind. It's popular choice in Middle East.



UT-000L

Street Light



20' | 30 units



40' | 70 units



All parameter as reference only, please subject the machine in manufacturer.

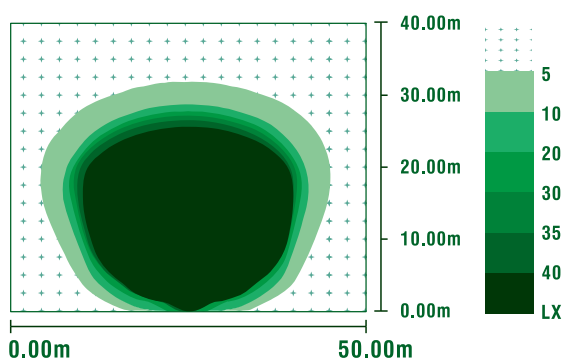
SPECIFICATION

UT-000L

Solar Panel	100W
Panel Lifting	0°~90° Manual Lifting
LFP Battery	460Wh 95% DoC
System Voltage	DC12V
Battery Charger	/
LED Lamp	50W, 10000Lms
Lighting Area (5 Lux)	244m ²
Rotation	/
Tilt	/
Controller	MPPT
Mast & Height	3 Sections 5M
Mast Lifting	Manual Winch
Trailer Standard	/
Hitch	/
Brake	/
Axle	/
Tire	/
Outriggers	/
Lifting Ring	4 ×
Forklift Holes	4 ×
Working Temp	-20°C~60°C
Charging Time	4-5 hours
Running Time	3-4 rainy hours
Dimension(mm)	1000*1000*2500
Weight	200kg
QTY in 20' / 40'	30 units / 70 units

UBT-300L

Street Light



20' | 10 units

40' | 20 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UBT-300L

Solar Panel	500W
Panel Lifting	0°~90° Manual Lifting
LFP Battery	2944Wh 95% DoC
System Voltage	DC12V
Battery Charger	Optional
LED Lamp	2 × 100W,34000Lms
Lighting Area (5 Lux)	656m ²
Rotation	/
Tilt	/
Controller	40A MPPT
Mast & Height	4 Sections 4M
Mast Lifting	Manual Winch
Trailer Standard	/
Hitch	/
Brake	/
Axle	/
Tire	/
Outriggers	Optional
Lifting Ring	4 ×
Forklift Holes	4 ×
Working Temp	-20°C~60°C
Charging Time	5.9 hours
Running Time	14 hours
Dimension(mm)	1000*1000*2900
Weight	400kg
QTY in 20' / 40'	10 units / 20 units

OPTIONAL



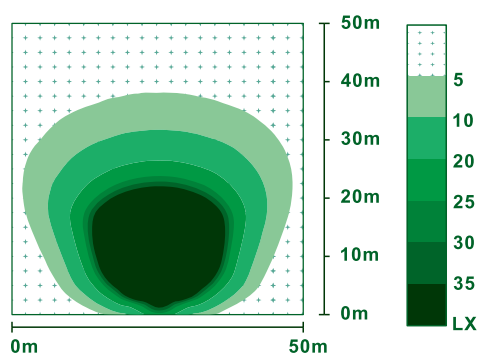
Victron



Security Camera

UPT-000L

Street Light



20' | 10 units



40' | 20 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UPT-000L

Solar Panel	/
Panel Lifting	/
LFP Battery	5.88kWh 95% DoC
System Voltage	DC24V
Battery Charger	Yes
LED Lamp	4 × 100W, 68000Lms
Lighting Area (5 Lux)	1481m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	/
Mast & Height	5 Sections 7M
Mast Lifting	Electric Winch
Trailer Standard	/
Hitch	/
Brake	/
Axle	/
Tire	/
Outriggers	4 ×
Lifting Ring	4 ×
Forklift Holes	4 ×
Working Temp	-20°C~60°C
Charging Time	3.4 hours by AC
Running Time	14 hours
Dimension(mm)	1000*1000*2500
Weight	350kg
QTY in 20' / 40'	10 units / 20 units

OPTIONAL



Victron



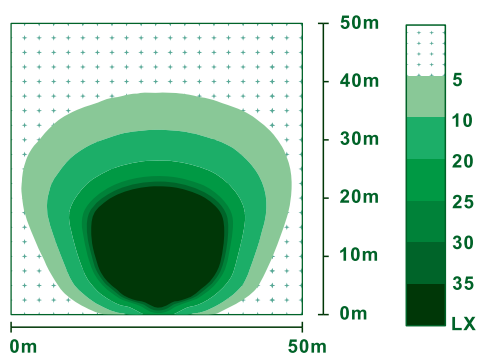
Security Camera



Hydraulic System

UST-900L ECO

Solar Light Tower



20' | 3 units



40' | 7 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UST-900L ECO

Solar Panel	1500W
Panel Lifting	8°~42°, Electric Lifting
LFP Battery	7.68kWh 95% DoC
System Voltage	DC24V
Battery Charger	Yes
LED Lamp	4 × 100W, 68000Lms
Lighting Area (5 Lux)	1481m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	40A MPPT
Mast & Height	5 Sections 7M
Mast Lifting	Manual Winch
Trailer Standard	US / AU / EU
Hitch	2" Ball / 3" Ring
Brake	Electric
Axle	Single
Tire	14 inch
Outriggers	4 ×
Lifting Ring	4 ×
Forklift Holes	2 ×
Working Temp	-20°C~60°C
Charging Time	5.1 hours
Running Time	18.2 hours
Dimension(mm)	3500*1500*2800
Weight	900kg
QTY in 20' / 40'	4 units / 8 units

OPTIONAL



Victron



AL-KO



Skid Type



Inverter



Security Camera



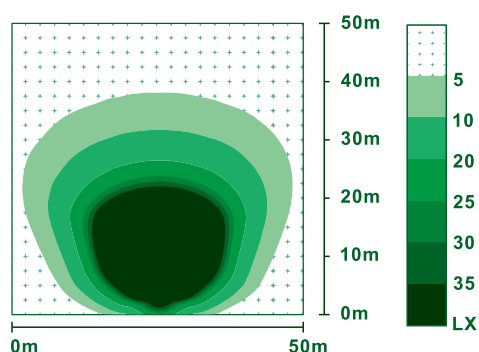
Hydraulic System



Wind Turbine

UST-900L

Solar Light Tower



20' | 3 units



40' | 7 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UST-900L

Solar Panel	1500W
Panel Lifting	30°~45°, Manual Lifting
LFP Battery	11.77kWh 95% DoC
System Voltage	DC24V
Battery Charger	Yes
LED Lamp	4 × 100W, 68000Lms
Lighting Area (5 Lux)	1481m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	60A MPPT
Mast & Height	5 Sections 7M
Mast Lifting	Manual Winch
Trailer Standard	US / AU / EU
Hitch	2" Ball / 3" Ring
Brake	Electric
Axle	Single
Tire	15 inch
Outriggers	4 ×
Lifting Ring	4 ×
Forklift Holes	2 ×
Working Temp	-20°C~60°C
Charging Time	7.9 hours
Running Time	28 hours
Dimension(mm)	3550*1650*2800
Weight	1150kg
QTY in 20' / 40'	3 units / 7 units

OPTIONAL



Victorin



AL-KO



Skid Type



Inverter



Security Camera



Hydraulic System



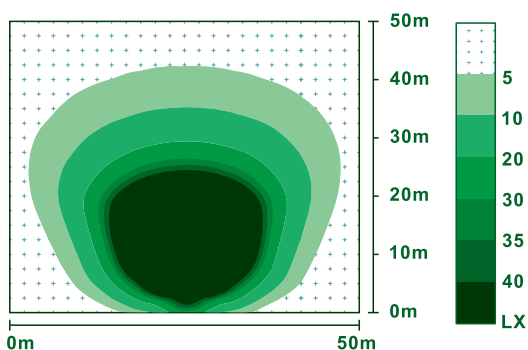
Backup Genset



Wind Turbine

UST-1200LT

Solar Light Tower



20' | 3 units



40' | 7 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UST-1200LT

Solar Panel	2000W
Panel Lifting	30°~45°, Electric Lifting
LFP Battery	15.36 kWh 95% DoC
System Voltage	DC48V
Battery Charger	Yes
LED Lamp	4 × 150W, 96000Lms
Lighting Area (5 Lux)	1836m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	40A MPPT
Mast & Height	5 Sections 7M
Mast Lifting	Manual Winch
Trailer Standard	US / AU / EU
Hitch	Electric
Brake	Single
Axle	15 inch
Tire	4 ×
Outriggers	4 ×
Lifting Ring	2 ×
Forklift Holes	-20°C~60°C
Working Temp	7.7 hours
Charging Time	24.3 hours
Running Time	3400*1750*2800
Dimension(mm)	1250kg
Weight	3 units / 7 units
QTY in 20' / 40'	

OPTIONAL



Victorin



AL-KO



Skid Type



Inverter



Security Camera



Hydraulic System



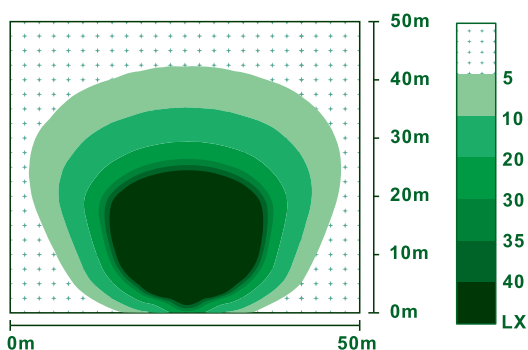
Backup Genset



Wind Turbine

UST-1200L PLUS

Solar Light Tower



20' | 2 units



40' | 5 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UST-1200L PLUS

Solar Panel	2400W
Panel Lifting	30°~45°, Electric Lifting
LFP Battery	15.36kWh 95% DoC
System Voltage	DC48V
Battery Charger	Yes
LED Lamp	6 × 150W, 14400Lms
Lighting Area (5 Lux)	2905m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	60A MPPT
Mast & Height	5 Sections 9M
Mast Lifting	Hudraulic
Trailer Standard	US / AU / EU
Hitch	2" Ball / 3" Ring
Brake	Mechanical
Axle	Single
Tire	15 inch
Outriggers	4 ×
Lifting Ring	4 ×
Forklift Holes	2 ×
Working Temp	-20°C~60°C
Charging Time	8.2hours
Running Time	16.2 hours
Dimension(mm)	3800*2410*3010
Weight	1600kg
QTY in 20' / 40'	2 units / 4 units

OPTIONAL



Victorin



AL-KO



Skid Type



Inverter



Security Camera



Hydraulic System



Backup Genset



Wind Turbine

UST-1200L HYBRID

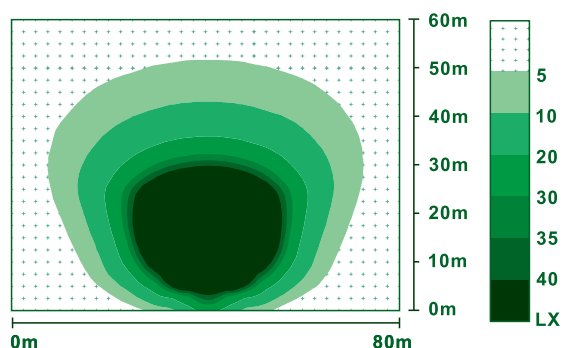
Solar Light Tower



SPECIFICATION

UST-1200L HYBRID

Solar Panel	1880W
Panel Lifting	0°~25° Hydraulic Lifting
LFP Battery	15.36kWh 95% DoC
System Voltage	DC48V
Battery Charger	Yes
LED Lamp	4 × 150W,9600Lms
Lighting Area (5 Lux)	1868m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	60A MPPT
Mast & Height	9 Sections 9M
Mast Lifting	Hydraulic
Trailer Standard	US / AU / EU
Hitch	2" Ball / 3" Ring
Brake	Electric
Axle	Double
Tire	15 inch
Outriggers	4 × Hydraulic
Lifting Ring	4 ×
Forklift Holes	2 ×
Working Temp	-20°C~60°C
Charging Time	8.2 hours
Running Time	24.3 hours
Dimension(mm)	4150*2250*2800
Weight	1900kg
QTY in 20' / 40'	2 units / 4 units



20' | 2 units



40' | 4 units



All parameter as reference only, please subject the machine in manufacturer.

OPTIONAL



Victorin



AL-KO



Skid Type



Inverter



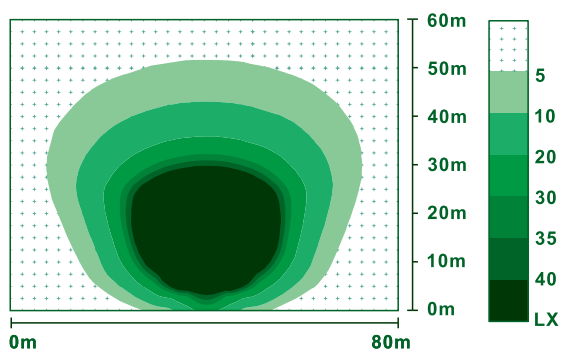
Security Camera



Wind Turbine

UST-1800L

Solar Light Tower



20' | 2 units



40' | 4 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UST-1800L

Solar Panel	2760W
Panel Lifting	0°~25° Hydraulic Lifting
LFP Battery	23.55kWh 95% DoC
System Voltage	DC48V
Battery Charger	Yes
LED Lamp	6 × 150W, 144000Lms
Lighting Area (5 Lux)	2905m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	60A MPPT
Mast & Height	9 Sections 9M
Mast Lifting	Hydraulic
Trailer Standard	US / AU / EU
Hitch	2" Ball / 3" Ring
Brake	Electric
Axle	Double
Tire	15 inch
Outriggers	4 ×
Lifting Ring	4 ×
Forklift Holes	2 ×
Working Temp	-20°C~60°C
Charging Time	8.5 hours
Running Time	24.3 hours
Dimension(mm)	4150*2250*2800
Weight	1900kg
QTY in 20' / 40'	2 units / 4 units

OPTIONAL



Victorin



AL-KO



Skid Type



Inverter



Security Camera



Hydraulic System



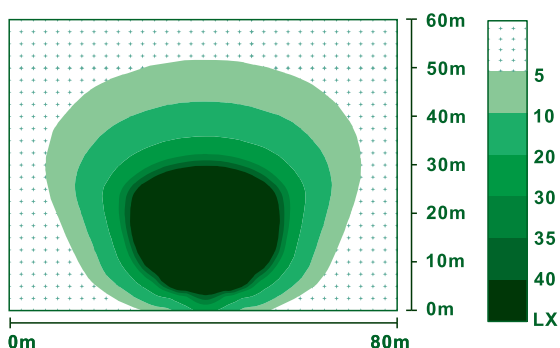
Backup Genset



Wind Turbine

UBT-1800L

Solar Light Tower



20' | 5 units



40' | 10 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UBT-1800L

Solar Panel	3000W
Panel Lifting	0°~120° Hydraulic Lifting
LFP Battery	23.55kWh 95% DoC
System Voltage	DC48V
Battery Charger	Yes
LED Lamp	6 × 150W, 144000Lms
Lighting Area (5 Lux)	2905m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	60A MPPT
Mast & Height	9 Sections 9M
Mast Lifting	Hydraulic
Trailer Standard	/
Hitch	/
Brake	/
Axle	/
Tire	/
Outriggers	4 ×
Lifting Ring	4 ×
Forklift Holes	4 ×
Working Temp	-20°C~60°C
Charging Time	7.8 hours
Running Time	24.3 hours
Dimension(mm)	3675*4850*2800
Weight	1400kg
QTY in 20' / 40'	5 units / 10 units

OPTIONAL



Victron



Inverter



Security Camera



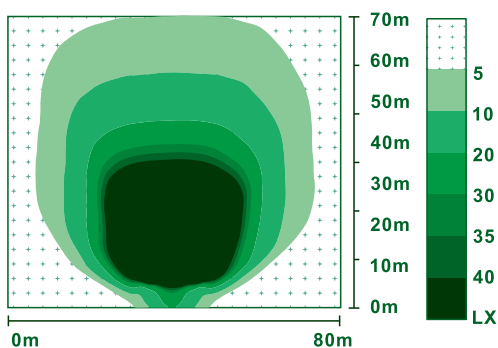
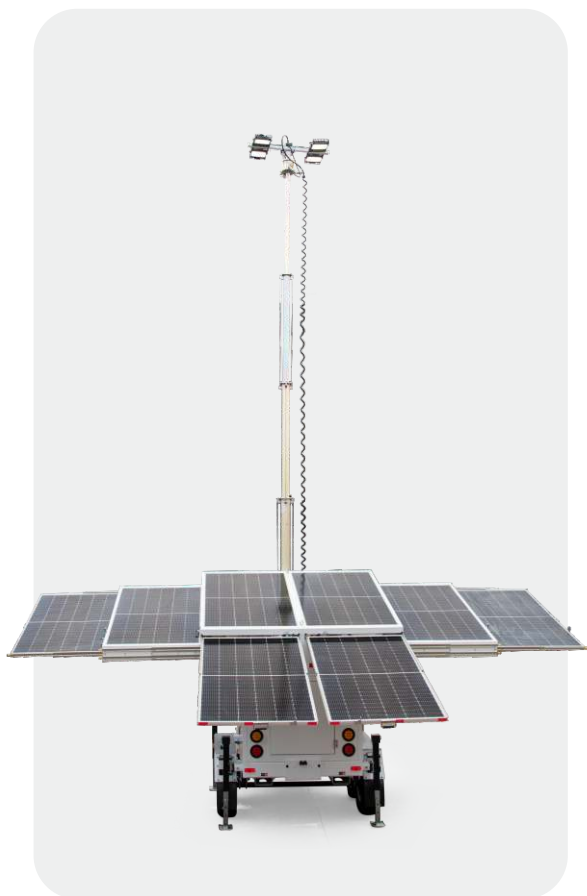
Hydraulic System



Wind Turbine

UST-2400L

Solar Light Tower



20' | 2 units



40' | 4 units



All parameter as reference only, please subject the machine in manufacturer.

SPECIFICATION

UBT-2400L

Solar Panel	3760W
Panel Lifting	0°~25° Hydraulic Lifting
LFP Battery	30.72kWh 95% DoC
System Voltage	DC48V
Battery Charger	Yes
LED Lamp	6 × 200W, 180000Lms
Lighting Area (5 Lux)	3399m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	80A MPPT
Mast & Height	9 Sections 9M
Mast Lifting	Hydraulic
Trailer Standard	US / AU / EU
Hitch	2" Ball / 3" Ring
Brake	Electric
Axle	Double
Tire	15 inch
Outriggers	4 ×
Lifting Ring	4 ×
Forklift Holes	2 ×
Working Temp	-20°C~60°C
Charging Time	8.2 hours
Running Time	24.3 hours
Dimension(mm)	4150*2250*2800
Weight	2100kg
QTY in 20' / 40'	2 units / 4 units

OPTIONAL



Victorin



AL-KO



Skid Type



Inverter



Security Camera



Hydraulic System



Backup Genset



Wind Turbine

UST-2400L HYBRID

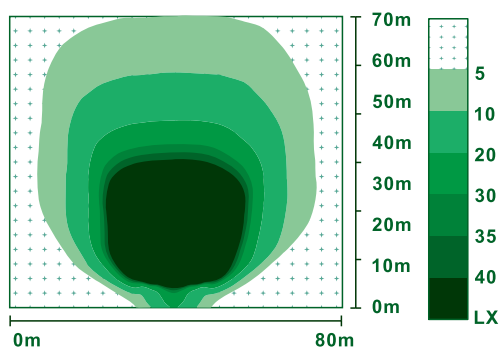
Solar Light Tower



SPECIFICATION

UST-2400L HYBRID

Solar Panel	3760W
Panel Lifting	0°~25° Hydraulic Lifting
LFP Battery	30.72kWh 95% DoC
System Voltage	DC48V
Battery Charger	Yes
LED Lamp	6 × 200W, 180000Lms
Lighting Area (5 Lux)	3399m ²
Rotation	350° Electric
Tilt	90° Electric
Controller	80A MPPT
Mast & Height	9 Sections 9M
Mast Lifting	Hydraulic
Trailer Standard	US / AU / EU
Hitch	2" Ball / 3" Ring
Brake	Electric
Axle	Double
Tire	15 inch
Outriggers	4 ×
Lifting Ring	4 ×
Forklift Holes	2 ×
Working Temp	-20°C~60°C
Charging Time	8.2 hours
Running Time	24.3 hours
Dimension(mm)	4150*2250*2800
Weight	2100kg
QTY in 20' / 40'	2 units / 4 units



20' | 2 units



40' | 4 units



All parameter as reference only, please subject the machine in manufacturer.

OPTIONAL

