

MOBILE SOLAR LIGHT TOWER



HIGH-EFFICIENCY LED

ST series solar lighting tower is equipped with LED floodlights which guarantee optimal use of the battery and solar system. The LED lights can be adjusted and rotation 360 degree manual for cover more area

MAINTENANCE-FREE BATTERY

The light towers are equipped with gel-batteries with great advantages:
 High performance
 Low self-discharge rate
 Maximum charging efficiency
 500 cycles 80% DoD
 Maneuverability at 25°C

MPPT SOLAR CONTROLLER

Advanced MPPT technology, with efficiency no less than 99.5%, with LCD displaying running status, and the system support all-around electronic protection functions, including overcharging and over discharging protection to minimize damages to components of the system failure at the utmost, and effectively ensure safer and more reliable operation of the solar power supply system for a longer service time.

MOBILE TRAILER

The mobile trailer has heavy duty design for utility site and road repairs, security checkpoints, gated entrances, and flagger stations

TECHNICAL DATA	ST300	ST600	ST900	ST900H	ST1200S	ST1200D	ST1800	ST2400
Type of Lights	2X60W LED	4X60W LED	4X100W LED	4X100W LED	6X100W LED	6X100W LED	6X150W LED	6X200W LED
Lights Output	DC24V, 18,000LUMS	DC24V, 36,000LUMS	DC24V, 60,000LUMS	DC24V, 60,000LUMS	DC24V, 90,000LUMS	DC24V, 90,000LUMS	DC48V, 135,000LUMS	DC48V, 180,000LUMS
Solar Panel	Monocrystalline Silicon	Monocrystalline Silicon	Monocrystalline Silicon	Monocrystalline Silicon	Monocrystalline Silicon	Monocrystalline Silicon	Monocrystalline Silicon	Monocrystalline Silicon
Rate Power	1x455W	2x455W	3x380W	3x455W	4x455W	4x455W	6x455W	8x455W
PV Controller	MPPT 20A	MPPT 30A	MPPT 40A	MPPT 40A	MPPT 60A	MPPT 60A	Gel-battery	MPPT 60A
Type of Battery	Gel-battery	Gel-battery	Gel-battery	Gel-battery	Gel-battery	Gel-battery	MPPT 60A	Gel-battery
No. of Battery	2X150AH DC12V	4X150AH DC12V	6X150AH DC12V	6X150AH DC12V	8X200AH DC12V	8X200AH DC12V	8X250AH DC12V	12X250AH DC12V
Battery Capacity	300AH	300AH	450AH	450AH	400AH	400AH	500AH	750AH
System Voltage	DC12V	DC24V	DC24V	DC24V	DC48V	DC48V	DC48V	DC48V
Maximum Height	4.5m/6m optional	6m/7m/9m	7m/9m optional	9m	7m/9m optional	7m/9m optional	7m/9m Optional	7m/9m Optional
Wind Rating Speed	100KM/H	100KM/H	100KM/H	100KM/H	100KM/H	100KM/H	100KM/H	100KM/H
Lifting System	Manual / electric optional	Manual / electric optional	Manual / Electric/Hydraulic	Hydraulic	Manual / Electric/Hydraulic	Hydraulic	Electric/Hydraulic	Electric/Hydraulic
Axle NO:	Single axle	Single axle	Single axle	Single axle	Single axle	Dual axle	Single axle/Double axle	Double axle
Tyre and Rim	14 inch	14 inch	15 inch	15 inch	15 inch	15 inch	15 inch	15 inch
Stabilizer leg	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual
Tow Hitch	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring
Working Temperature	-35-60 C	-35-60 C	-35-60 C	-35-60 C	-35-60 C	-35-60 C	-35-60 C	-35-60 C
Operate Time	21 hours	21 hours	19 hours	19 hours	22 hours	22 hours	18 hours	21 hours
Charge Time (Solar)	8 hours	8 hours	9 hours	8 hours	10 hours	10 hours	8 hours	9 hours
Charge Time (AC)	/	/	/	/	/	18 hours	/	/
Dimensions	2356x2104x2415mm	2356x2104x2765mm	3325x1575x2525mm	3325x1575x2525mm	3630x2240x2525mm	3630x2240x2525mm	3630x2195x2525mm	4170x2215x2525mm
Dry Weight	650kg	750kg	1265kg	1665kg	1660kg	1790kg	2180kg	3200kg
20GP container	8units	6units	3units	2units	2units	2units	2units	2units
40HQ container	16units	14units	7units	4units	4units	4units	4units	4units

MOBILE DIESEL LIGHT TOWER

Light towers have revolutionized industrial mobile lighting. Easy to setup, operate and maintain, our light towers provide maximum power in a minimal footprint. With extended run times and service intervals, LED safety features, innovative engine technologies and programmable controls, our products can be trusted to maximize uptime and return on your investment. Durability, reliability and ease of use

This lighting tower is ideal for a wide range of applications including construction, industrial, civil works, rental and government projects



LED technology

Lighting towers are equipped with LED floodlights which guarantee optimal use of the battery and solar system. The LED lights can be adjusted and rotation 360 degree manual for cover more area

Soundproof Canopy

Lockable engine cabine, Keep noise much lower. A big space is popular and friendly for user, and it's waterproof canopy, and it will help to reduce noise level.

American / Australian / European standard trailer

Lighting tower could be towing by pickup truck, it has rapid deployment trailer system, strong stabilizer supports, jockey wheel, and single axle with DISC brake



PRODUCTS PHOTOS	TECHNICAL DATA	GT1600	DQ5A4R	GT4000	GT2000	GT10L	GT10QL
	Lighting & Mast						
	Type of Lights	4x400W MH	4x400W MH	4x1000W MH	4x500W LED	4x500W LED	8x300W LED
	Lights Output	144,000 lums	144,000 lums	440,000 lums	300,000 lums	300,000 lums	360,000 lums
	Lights Voltage	AC220V	AC220V	AC220V	AC220V	AC220V/DC48V	AC220V/DC48V
	Maximum Height	4.5m	6.5m	7/9M	9/10M	9/10M	8.5M
	Wind Rating Speed	110km/h	110km/h	110km/h	110km/h	110km/h	110km/h
	Lifting System	Manual/electric	Manual/electric	Manual/electric/hydraulic	hydraulic	hydraulic	all hydraulic
	Mast Rotation	/	/	/	manual 360	manual 360	Hydraulic 360
	Lamp Rotation	manual	manual	manual	electric Tilt	electric Tilt	Hydraulic tilt
	Engine						
	Engine model	186FA	186FA	Perkins 403D-11G	Perkins 403D-11G	Perkins 403D-11G	Perkins 403D-11G
	RPM	3000/3600rpm	3000/3600rpm	1500/1800rpm	1500/1800rpm	1500/1800rpm	1500/1800rpm
	Type of engine	Air cooled	Air cooled	Water cooled	Water cooled	Water cooled	Water cooled
	Rate Power	5kw	5kw	10kw standby	10kw standby	10kw standby	10kw standby
	Fuel tank	12.5L	12.5L	100L	100L	120L	300L
	Noise level	68db @7m	65db @7m	65db @7m	65db @7m	63db @7m	63db @7m
	Trailer						
	Axle NO:	Single axle	Single axle	Single axle	Single axle	Single axle	Single axle
	Tyre and Rim	12 inch	14 inch	15 inch	15 inch	15 inch	15 inch
	Stabilisers	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual
Tow Hitch	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	
Working Temperature	-30-70 C	-30-70 C	-40-70 C	-40-70 C	-40-70 C	-40-70 C	
Dimensions & Weight							
Dimensions	1350x900x2550mm	2378x1470x2490mm	3800x1470x2490mm	3450x1550x2500mm	2730x1583x2500mm	3750x1700x2500	
Dry Weight	350kg	650kg	1280kg	1550kg	1650kg	1920kg	
20GP container	16	6	3	3	3	2	
40HQ container	32	14	8	7	7	5	

MOBILE SURVEILLANCE TRAILER

The ST series Solar Trailer is an autonomously-powered surveillance trailer that can be rapidly deployed at practically any location, providing security for construction job sites, parking lots, public events or any off-grid location that requires video monitoring.

- Social events Temporary portable security
- Intrusion alarm/alerts
- Construction Site Security
- Solar Farms security and remote monitoring
- Farms security and remote monitoring
- Ports and Airports mobile Security
- Boarder patrol locations Monitoring
- Traffic Monitoring / Vehicle Counting



Cameras System

The solar powered mobile trailer are perfect for remote, rapid deployment. These Dot approved single-axle trailers can be set up by a crew of (2).

Hybrid system Optional

This hybrid model offers the cost-effectiveness of solar CCTV with the reliability of diesel power for overcast weather. Protect your assets with a state of the art solar powered security camera trailer designed to handle the toughest conditions. the Solar Powered Security Camera Trailer with Diesel Backup is suited to extended deployments.

Wind Turbine

Let's get more green energy come in! As we all know, green energy is our future, more and more countries are develop wind power technology, now let's making a better choice for your solution.

AC Output Inverter & Battery charger

American / Australian / European standard sockets
Solar trailer could install inverter to output AC power with your country's standard frame plugs for small tools, meanwhile it can be charge batteries during long time without sunlight, Or faster charge time, it's more reliable solutions.

APPLICATION



TECHNICAL DATA

	ST300C 	ST600C 	ST900C 	ST1200C 
Cameras Brand	400M PTZ camera	400M PTZ camera	400M PTZ camera	400M PTZ camera
CCTV system	1X400M PTZ + 2X2M Bullet	1X400M PTZ + 2X2M Bullet	1X400M PTZ + 2X2M Bullet	4X400M PTZ
Optional	34/4G router, WIFI, GPRS, antenna	34/4G router, WIFI, GPRS, antenna	34/4G router, WIFI, GPRS, antenna	34/4G router, WIFI, GPRS, antenna
Solar Panel	Monocrystalline Silicon	Monocrystalline Silicon	Monocrystalline Silicon	Monocrystalline Silicon
Rate Power	1x455W	2x455W	3x380W	4x455W
PV Controller	MPPT 20A	MPPT 30A	MPPT 40A	MPPT 60A
No. of Battery	2X150AH DC12V	4X150AH DC12V	6X150AH DC12V	8X200AH DC12V
Battery Capacity	300AH	300AH	450AH	400AH
System Voltage	DC12V	DC24V	DC24V	DC48V
AC Output	Optional	Optional	Optional	Inverter 3000W
Battery charger	Optional	Optional	Optional	/
Back-up Genset	/	/	Optional	Optional
Maximum Height	4.5m/6m optional	6m/7m/9m	7m/9m optional	7m/9m optional
Wind Rating Speed	100KM/H	100KM/H	100KM/H	100KM/H
Lifting System	Manual / electric optional	Manual / electric optional	Manual / Electric/Hydraulic	Manual / Electric/Hydraulic
Axle NO:	Single axle	Single axle	Single axle	Single axle
Tyre and Rim	14 inch	14 inch	15 inch	15 inch
Stabilisers	4PCS Manual	4PCS Manual	4PCS Manual	4PCS Manual
Tow Hitch	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring	50mm ball / 70mm Ring
Working Temperature	-35-60 C	-35-60 C	-35-60 C	-35-60 C
Charge Time (Solar)	8 hours	8 hours	9 hours	10 hours
Charge Time (AC)	/	/	/	/
Dimensions	2356x2104x2415mm	2356x2104x2765mm	3325x1575x2525mm	3630x2240x2525mm @7m
Dry Weight	650kg	750kg	1265kg	1660kg
20GP container	8units	6units	3units	2units
40HQ container	16units	14units	7units	4units