

Energy Storage System

from Diesel to Sun / Wind



BICPL

**BHARAT INTERNATIONAL
CORPORATE PVT. LTD.**

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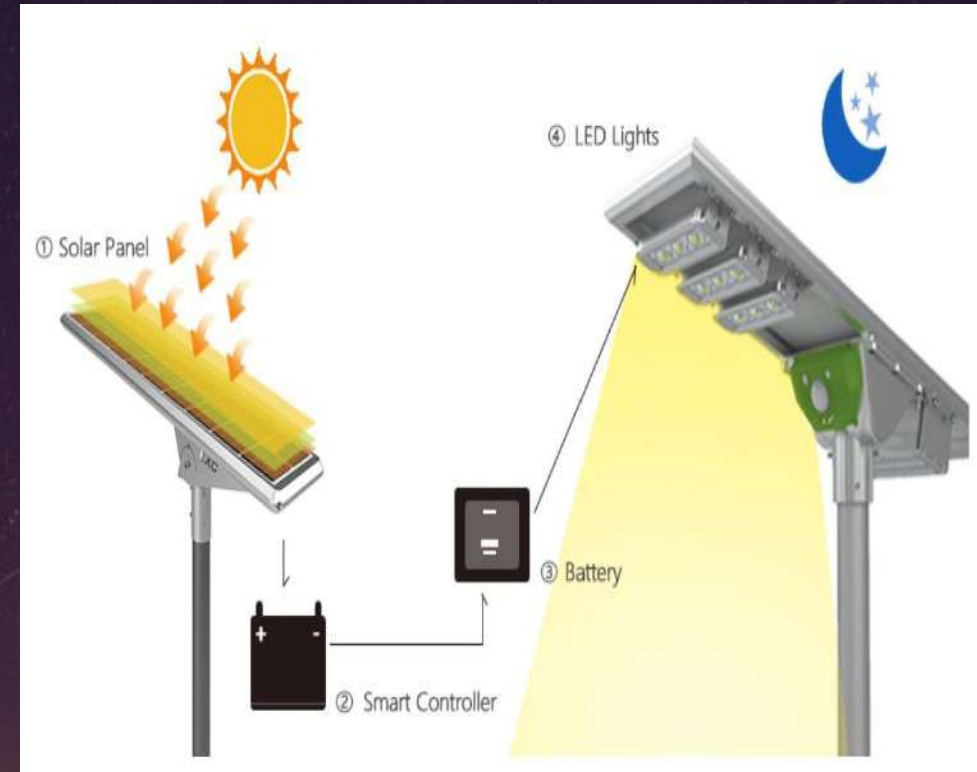
2025-26

ADVANTAGES

1. COST- SAVING	2. ENERGY- SAVING	3. ECO- FRIENDLY
SOLAR	VS	DIESEL
NO	MAINTANANCE	YES
NO	FUEL	YES
NO	Noise	YES
NO	Emission	YES

Mobile Solar Light Tower

- ▶ Solar Panel **convert** sunlight **into** DC electricity
- ▶ Charger Controller **regulates** the voltage and current, **prevents** battery overcharging and prolong its lifespan.
- ▶ Battery **stores** the energy for supplying to the LED flood Light.
- ▶ You can add an inverter to **convert DC** output of solar panel or wind turbin **into a clean AC** current for the other AC appliance.



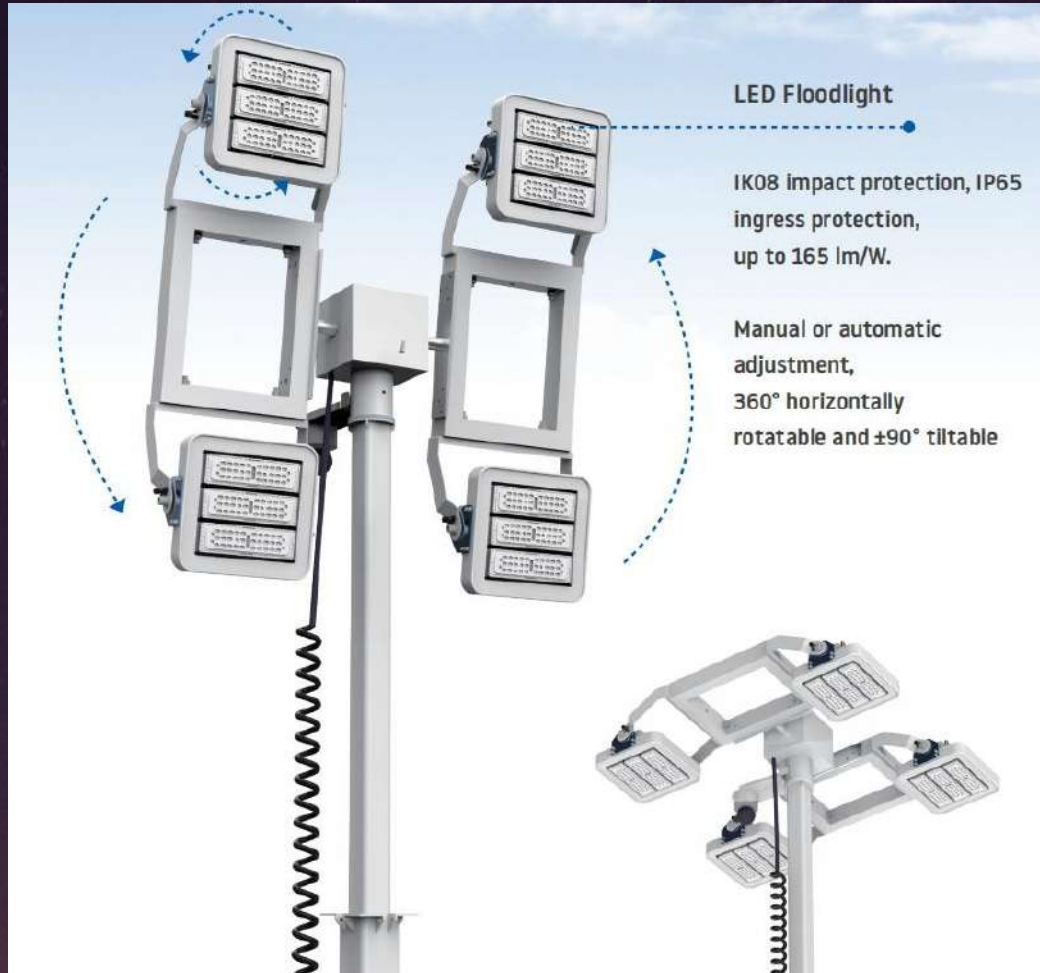
Introduction

- ▶ Mobile Solar Light Tower is designed to provide the illumination for the area, where people have light demand, but no electricity available. It can be easily moved to any place at any time.
- ▶ Mainly consists of **solar panels, batteries, MPPT** controllers, a pan system, **LED lights**, a trailer, an inverter, and electric masts etc.
- ▶ Widely used for Construction Sites, Emergency and Disaster Relief, Mining Operations, Outdoor Events, Road Work and Traffic Control, Film and Television Production, Agricultural Operations, Oil and Gas Exploration, Military and Defense.

Structure



Structure



TOWING THE TRAILER TO THE JOB SITE



REAL-TIME MONITORING

Explore T600-7M Datasheet



Luminaire Efficiency : 195LM/W
Illuminated Area@7m : **1200 - 1500**
m² Charging Time: 8 Hours
Working Time: More than 35Hours

System Voltage	DC24V
Lighting	4x50W, 360° Rotatable
Solar Panel	3x420W, monocrystalline silicon, 21.7% efficiency
Battery (Lead-acid)	4x150AH , DC12V
Mast	2.5-7m , Electric / Manual
Trailer	Speed of 80km/h
	US / EU / AU standard

Explore T600-9M Datasheet



Luminaire Efficiency : 195LM/W
Illuminated Area@9m : **1800 - 2100m²**
Charging Time: 8 Hours
Working Time: More than 24Hours

System Voltage	DC24V
Lighting	4x100W, 360°Rotatable
Solar Panel	3x420W,monocrystalline silicon, 21.7% efficiency
Battery (Lead-acid)	4x200AH ,DC12V
Mast Height	2.5-9M, Electric / Manual
Trailer	Speed of 80km/h
	US / EU / AU standard

Explore T600-12M Datasheet



Luminaire Efficiency : 195LM/W
Illuminated Area@12m : **2500 - 2800m²**
Charging Time: 6.9Hours
Working Time: More than 16Hours

System Voltage	DC48V
Lighting	6x200W , 360°Rotatable
Solar Panel	6x460W ,monocrystalline silicon, 21.7% efficiency
Battery (Lead-acid)	8x200AH ,DC12V,19200wh
Mast Height	2.5-12M, Electric / Manual
Trailer	Speed of 80km/h
	US / EU / AU standard

TS600W-7M Datasheet



Illuminated Area@7m : 1200 - 1500

m² Voltage Wave Type : Sine Wave

Charging Time: 5 Hours

Working Time : More than 50hours

Output Voltage :

AC110V/AC220V/380V Output Power

: 15000W

System Voltage	DC48V
Lighting	4x50W, 360°Rotatable
Solar Panel	3x420W,monocrystalline silicon, 21.7% efficiency
Wind Power	200W, Vertical, Three leaves, 1.8m/s.
Battery(Lead-acid)	4x150AH,DC12V,7200Wh
Mast Height	2.5-6m, Electric / Manual
Trailer (Single Axle)	Speed of 80km/h US / EU / AU standard

Square T500-6M Datasheet



Luminaire Efficiency : 195LM/W
Illuminated Area @6M : **1200 - 1500**
m² Charging Time: 7.8 Hours
Working Time: More than 35Hours

System Voltage	DC24V
Lighting	4x50W, 360° Rotatable
Solar Panel	4x230W, monocrystalline silicon, 21.7% efficiency
Battery(Lead-acid)	4x150AH, DC12V, 7200wh
Mast Height	2.5-6m, Electric/ Manual
Moving Method	By Forklift or Crane

Square T500-9M Datasheet



Luminaire Efficiency : 195LM/W
Illuminated Area **@9M: 1800 - 2100 m²**
Charging Time: 10 Hours
Working Time: More than 24Hours

System Voltage	DC24V
Lighting	4x100W, 360° Rotatable
Solar Panel	4x230W, monocrystalline silicon, 21.7% efficiency
Battery(Lead-acid)	4x200AH, DC12V, 7200wh
Mast Height	2.5-9m, Electric/ Manual
Moving Method	By Forklift or Crane

Cabinet T300-6M Datasheet



Luminaire Efficiency : 195LM/W
Illuminated Area @6M: 900 - 1200
m² Charging Time: 7.8 Hours
Working Time: More than 35Hours

System Voltage	DC24V
Lighting	4x50W, 360° Rotatable
Charger	Input AC220V Output DC29.4V 20A
Lithium Battery	1x200AH,DC25.6V, 5120W.h
Mast Height	2.5-6m, Electric/ Manual
Moving Method	Pushing by Hands or Forklift

Cabinet T300-9M Datasheet



Luminaire Efficiency : 195LM/W
Illuminated Area @9M: 1800 - 2100
m² Charging Time: 8 Hours
Working Time: More than 24Hours

System Voltage	DC24V
Lighting	4x100W, 360° Rotatable
Charger	Input AC220V Output DC29.4V 40A
Lithium Battery	2x200AH,DC25.6V, 10240W.h
Mast Height	2.5-9m, Electric/ Manual
Moving Method	Pushing by Hands or Forklift

Stand T200-4M Datasheet



Luminaire Efficiency : 195LM/W
Illuminated Area @4M : 400 - 600m²
Charging Time: 7.8 Hours
Working Time: More than 35Hours

System Voltage	DC24V
Lighting	2x50W, 360° Rotatable
Solar Panel	1x420W, monocrystalline silicon, 21.7% efficiency
Battery(Lithium)	1x100AH, DC25.6V, 2560W.h
Mast Height	1.5-4m, Electric/ Manual
Moving Method	By Forklift

Tank T800-9M Datasheet

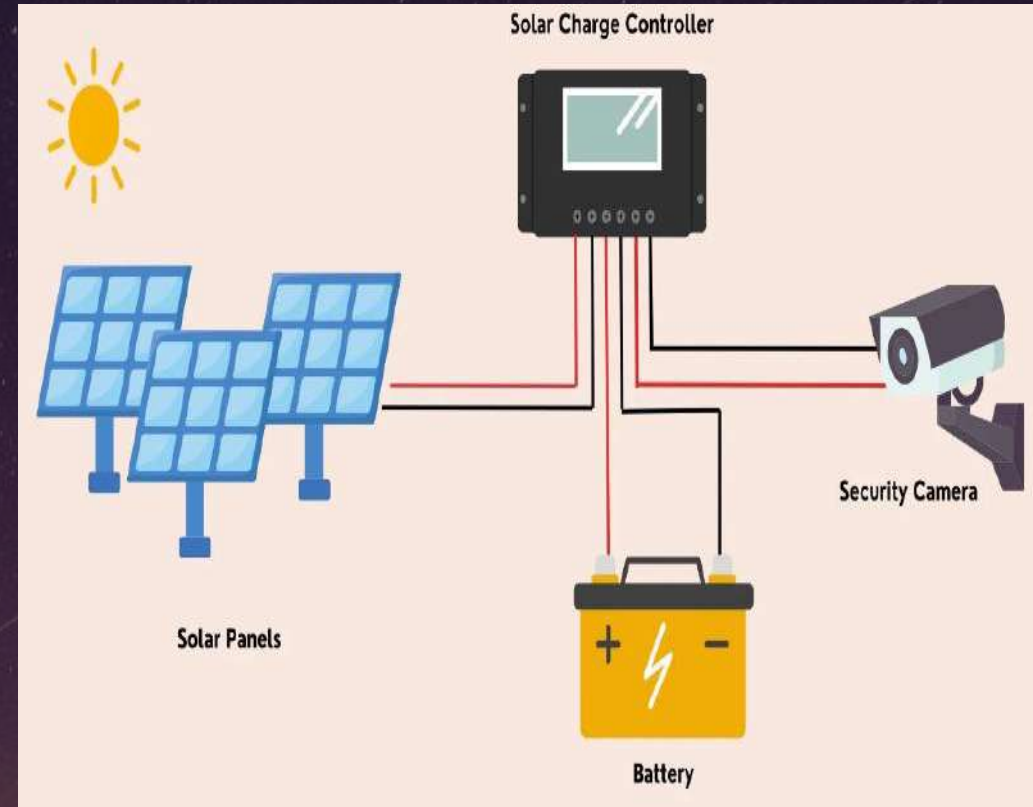


Luminaire Efficiency : 195LM/W
Illuminated Area **@9M: 1800 - 2100**
m² Charging Time: 6 Hours
Working Time: **More than 80Hours**

System Voltage	DC24V
Lighting	4x50W, 360°Rotatable
Solar Panel	9x585W ,monocrystalline silicon, 21.7% efficiency
Battery(Lead-acid)	20x250AH ,DC12V, 60000W.h
Mast Height	2.5-9m, Electric/ Manual
Trailer	Speed of 40km/h, US / EU / AU standard

Mobile Solar CCTV

- ▶ Solar Panel **convert** sunlight **into** DC electricity
- ▶ Charger Controller **regulates** the voltage and current, **prevents** battery overcharging and prolong its lifespan.
- ▶ Battery **stores** the energy for supplying to the CCTV camera.
- ▶ You can add an inverter to **convert DC** output of solar panel or wind turbin **into a clean AC** current for the other AC appliance.



Introduction



- ▶ Designed to harness the power of the sun for uninterruptedly monitoring off-grid and remote areas, and easily moved to any place at any time.
- ▶ The main function is to **collect information and provide on-site real-time image transmission and image capture**. Real-time monitoring of faces, cars, open flames can be carried out. The real-time video data or image capture data can be viewed after the data is transmitted to the platform.
- ▶ **Who Benefits From this Solution?** Government and business customers in different segments with different sites, especially in the oil & gas field, construction sites, special events, defense and military sites, roads and rural areas.

C600-6M/9M Datasheet



Monitoring Pixels: 5MP

Viewing Angle: 5°- 110°

Monitoring Distance: 150-200m @ 6m
200m-300m @

9m Charging Time: 6 Hours

Working Time: More than 90Hours
for 80W monitoring system

Configuration	
Camera Qty	1pcs Dome Camera + 2pcs Bullet Cameras
Solar Panel	3x420W,monocrystalline silicon, 21.7% efficiency
Battery	4x150AH,DC12V,Lead-acid
Mast	2.5-6m/9m, Electric / Manual
Trailer	Speed of 80km/h
	US / EU / AU standard

C500-6M Datasheet



Monitoring Pixels: 5MP
Viewing Angle: 5°- 110° **Monitoring Distance :** 150-200m @ 6m **Charging Time:** 6 Hours

Configuration	
Camera Qty	1pcs Dome Camera + 2pcs Bullet Cameras
Solar Panel	4x230W, monocrystalline silicon, 21.7% efficiency
Battery	4x150AH, DC12V, Lead-acid
Mast	2.5-7m, Manual
Moving Method	By Forklift or Crane

C300-3M Datasheet



Monitoring Pixeles : 5MP

Viewing Angle : 5°- 110°

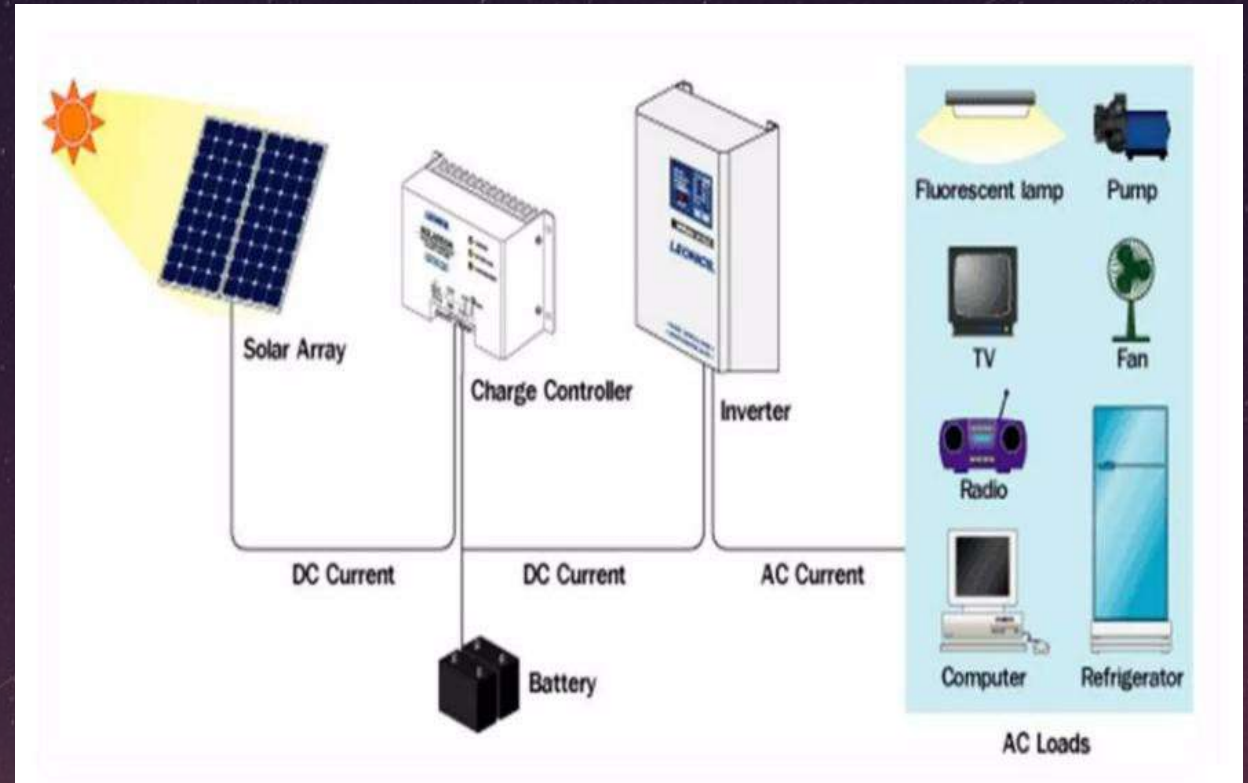
Monitoring Distance : 150-200m @3m

Height Charging Time: 8 Hours

Configuration	
Camera Qty	1pcs Dome Camera + 1pcs Audio
Solar Panel	2x60W ,monocrystallin e silicon, 21.7% efficiency
Battery	1x60AH ,DC12V,Lead-acid
Mast Height	1.8-3M, Manual
Moving Method	4 Wheels with brake

Mobile Solar Generator

- ▶ Solar Panel **convert** sunlight **into** DC electricity
- ▶ Charger Controller **regulates** the voltage and current, **prevents** battery overcharging and prolong its lifespan.
- ▶ Battery **stores** the energy for supplying to the appliance.
- ▶ Inverter **convert DC** output of solar panel or wind turbine **into a clean AC** current for AC appliance.



Introduction



- ▶ Designed to harness the sun power to provide off-grid energy solutions with the functions of charging, storage and power supply, so it is regarded as a large mobile outdoor POWERBANK, solving the demand for electricity in extreme environments without power grids.
- ▶ Mainly consists of **solar panels, batteries, charge controllers, inverter and a trailer** beyond. BMS battery management and protection system, focused MPPT photovoltaic controller, equipped with intelligent temperature-controlled fans to monitor the equipment operation in real time and achieve multiple intelligent protections.
- ▶ Widely used for Construction Sites, Mining Operations, Outdoor Events, Oil and Gas Exploration, Military and Defense.

S500-5 Datasheet



Output Capacity : 5KW.h

Voltage Wave Type : Sine

Wave Charging

Time: 4Hours

Output Voltage :

AC110V/AC220V Output

Power : 2000W

Configuration

Outlet Socket

2*10A + AC Plug

Solar Panel

4x230W,monocrystalline silicon, 21.7% efficiency

Battery(Lead-acid)

2x200AH,DC12V

Moving Method

By 4 wheels with Brake

S500-10 Datasheet



Output Capacity : 10KW.h

Voltage Wave Type : Sine

Wave Charging Time: 8
Hours

Output Voltage :

AC110V/AC220V Output Power
: 3000W

Configuration	
Outlet Socket	2*10A + AC plug
Solar Panel	4x230W,monocrystalline silicon, 21.7% efficiency
Battery (Lead-acid)	4x200AH ,DC12V
Moving Method	By 4 wheels with Brake

S600-19 Datasheet



Output Capacity : 19KW.h

Voltage Wave Type : Sine

Wave Charging Time: 8
Hours

Output Voltage :

AC110V/AC220V Output Power
: 3000W

Configuration	
Outlet Sockets	2*10A + AC plug
Solar Panel	3x420W,monocrystalline silicon, 21.7% efficiency
Battery (Lead-acid)	8x200AH ,DC12V
Trailer (Single Axle)	Speed of 80km/h
	US / EU / AU standard

S600-28 Datasheet



Output Capacity : 28KW.h

Voltage Wave Type : Sine

Wave Charging Time: 8
Hours

Output Voltage :

AC110V/AC220V Output

Power : 3000W

Configuration

Outlet Socket	2*16A + AC plug
Solar Panel	6x460W , monocrystalline silicon, 21.7% efficiency
Battery (Lead-acid)	12x200AH , DC12V,
Trailer (Single Axle)	Speed of 80km/h
	US / EU / AU standard

S600-50 Datasheet



Output Capacity : 50KW.h

Voltage Wave Type : Sine

Wave Charging Time: 8
Hours

Output Voltage :

AC110V/AC220V/**380V** Output Power
: 3000W

Configuration

Outlet Socket

2*16A + AC plug

Solar Panel

8x460W, monocrystalline silicon, 21.7% efficiency

Battery(Lead-acid)

20x200AH, DC12V

Trailer
(Single Axle)

Speed of 80km/h

US / EU / AU standard

S800-60 Datasheet



Output Capacity : 60KW.h

Voltage Wave Type : Sine

Wave Charging Time: 8
Hours

Output Voltage :

AC110V/AC220V/**380V** Output Power
: 15000W

Configuration

Outlet Socket	2*16A + AC Plugs
Solar Panel	18x740W , monocrystalline silicon, 23.8% efficiency
Battery(Lead-acid)	20x250AH DC12V
Trailer (Single Axle)	Speed of 40km/h
	US / EU / AU standard

S800W-70 Datasheet



(Sun +

Output Capacity : 70KW.h

Voltage Wave Type : Sine

Wave Charging Time : **4**

Hours

Output Voltage :

AC110V/AC220V/380V Output Power : 15000W

Configuration

Output Socket	2*16A + AC Plugs
Solar Panel	18x740W, monocrystalline silicon, 23.8% efficiency
Wind Power	300W, Vertical, three leaves, 1.8m/s.
Battery (Lead-acid)	24x250AH, DC12V
Trailer (Single Axle)	Speed of 40km/h
	US / EU / AU standard

S800-120 Datasheet



(Sun + Diesel)

Output Capacity : **120KW.h**

Voltage Wave Type : Sine

Wave Charging Time: **5 Hours**

Output Voltage :

AC110V/AC220V/**380V** Output Power : 15000W

Configuration

Outlet Socket	2*16A + AC Plugs
Solar Panel	18x740W , monocrystalline silicon, 23.8% efficiency
Diesel Generator Set	Cummins 20kW, Sound-proof
Battery (Lithium)	12x200AH, DC51.2V
Trailer (Single Axle)	Speed of 40km/h
	US / EU / AU standard

Hybrid Solar Trailers

Energy from **Sun** + **Wind** / **Sun** + **Diesel**
Three Functions Together

(Illuminating + Monitoring + Energy-storing)

TCS800W-9M Datasheet



(Sun + Wind)

Illuminated Area@7m : **1800 - 2100m²**

Monitoring Pixels and Distance:

5MP/200M Output Capacity : 70KW.H

Voltage Wave Type : Sine

Wave Charging Time: **6**

Hours

Output Voltage :

AC110V/AC220V/**380V** Output Power

: 15000W

System Voltage	DC48V
Lighting	4x50W, 360°Rotatable
Solar Panel	9x740W,monocrystalline silicon, 21.7% efficiency
Wind Power	300W, Vertical, three leaves, 1.8m/s.
Battery(Lead-acid)	20x250AH,DC12V,7200Wh
Mast Height	2.5-9m, Electric / Manual
Trailer (Single Axle)	Speed of 40km/h
	US / EU / AU standard

TSC800D-6M Datasheet



(Sun + Diesel)

Illuminated Area@6m : 1200 - 1500m²

Charging Time: **6 Hours**

Working Time: **More than 80hours** for
4pcs x 50W LED flood lights + **24hour** for
6pcs x 1.5P air conditioner

Output Voltage : AC110V/AC220V/**380V**

Output Power :

Configuration

Outlet Socket	2*16A + AC Plugs
Solar Panel	18x740W ,monocrystalline silicon, 23.8% efficiency
Diesel Generator Set	Cummins 20kW, Sound-proof
Battery (Lithium)	12x200AH,DC51.2V
Trailer (Single Axle)	Speed of 40km/h
	US / EU / AU standard

Mobile LED Display

Mobile Solar LED Display

Mobile LED Display

FS800-3M Solar LED Display



Viewing distance: 3 - 100m
Rotation of LED display :
360° Charging time : 9 hours
Running time: 45hours
LED display control: 4G、WiFi、U flash
drive Pixel pitch : P3.8
IP rating : IP65

Configuration

PV Controller	MPPT 60A,95%
Solar Panel	4x120W ,monocrystalline silicon, 23.8% efficiency
Lithium Battery	1*280AH 12.8V
Mast	Hydraulic 4m
Trailer (Single Axle)	Speed of 60km/h
	US / EU / AU standard

F600-5M Solar LED Display



Viewing distance: 3 - 200m
Rotation of LED display : **360°**
LED display control: 4G、WiFi、U flash
drive Pixel pitch : P3.8
IP rating : IP65

Configuration

Input voltage	AC100-240V 50-60HZ
Display Size	L: 4500mm, W: 3000mm
Power consumption	10800W
Mast	Hydraulic 5m
Trailer (Single Axle)	Speed of 60km/h
	US / EU / AU standard

More Functions



Product can be customized to fit your specific needs.

- ▶ **Remote Control and Monitoring**

Control and monitor the equipment from anywhere, anytime using the internet or a mobile app

- ▶ **GPS Tracking Management in case of theft**
- ▶ **Microphone + Two Way Talk**
- ▶ **Measuring the environment , the air quality**

Applications



Construction Site



Oil and Gas Field



Events



Mining Operation



Emergency Relief



Contact



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Thank You !
