



# JP Series User Manual



Simple Operation



Panel Weight



Cooling System



Fast Assembly



High Brightness



Front Servicing



High Refresh



## Catalogue

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## Safety Information



### WARNING!

Please read the **Safety Measures** listed in this section carefully before installing, switching on, operating and maintenance of this product.

The following marks on the product and in this manual indicate important safety measures.



#### WARNING!

Safety Risk!  
Might cause  
equipment  
damage  
Or safety risk



#### WARNING!

Please read the  
manual before  
operating



#### WARNING!

Dangerous  
Voltage!  
Might cause  
equipment  
damage or  
electric shock



#### WARNING!

Hot Surface!  
Do not touch



#### WARNING!

Flammable!



#### WARNING!

Possible damage  
to eyes



Warning: Be sure to understand and follow all safety guidelines, safety instructions, warnings and precautions listed in this manual.

This product is for professionals use only!

This product may result in serious injury or death due to fire hazard, electric shock or on dropping.



Please read this manual carefully before installing, powering up, operating and maintenance of this product.

Follow safety instructions in this manual and on the product. If you have any questions, please seek help from Absen.

### Beware of Electric Shock!



- To prevent electric shock the device must be properly grounded during installation. Do not ignore using the grounding plug, or else there is a risk of electric shock.
- During a lightning storm, please disconnect the device's power supply, or provide other suitable lightning protection. If the equipment is not in use for a long time, please unplug the power cord.
- When performing any installation or maintenance work (e.g. removing the fuses, etc.,) make sure to turn off the master switch.
  - Disconnect AC power when the product is not in use, or before disassembling, or installing the product.
  - The AC power used in this product must comply with local building and electrical codes, and should be equipped with overload and ground fault protection.
  - The main power switch should be installed at a location near the product and should be clearly visible and easily reached. This way in case of any failure the power can be promptly disconnected.
  - Before using this product check all electrical distribution equipment, cables and all connected devices, and make sure all meet current requirements.
  - Use appropriate power cords. Please select the appropriate power cord according to the required power and current capacity, and ensure the power cord is not damaged, aged or wet. If any overheating occurs, replace power cord immediately.
  - For any other questions, please consult a professional.

### Beware of Fire!



- Use a circuit breaker or fuse protection to avoid fire caused by power supply cables overloading.
- 
- Maintain good ventilation around the display screen, controller, power supply and other devices, and keep a minimum 0.1 meter gap with other objects.
- Do not stick or hang anything on the screen.
- Do not modify the product, do not add or remove parts.
- Do not use the product in case ambient temperature is over 50 °C.



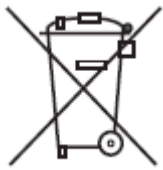
#### Beware of Injury!



- Warning: Wear a helmet to avoid injury.
- Ensure any structures used to support, fix and connect the equipment, can withstand at least 10 times the weight of all the equipment.



- When stacking products, please hold products firmly to prevent tipping or falling.
- Ensure all components and steel frames are securely installed.
- When installing, repairing, or moving the product, ensure the working area is free of obstacles, and ensure the working platform is securely and stably fixed.
- In the absence of proper eye protection, please do not look directly at the lit screen from within a 1 meter distance.
- Do not use any optical devices that have converging functions to look at the screen to avoid burning the eyes.



#### Product Disposal

- Any component that has a recycling bin label can be recycled.
- For more information on collecting, reusing and recycling, please contact the local or regional waste management unit.
- Please contact us directly for detailed environmental performance information.



WARNING: Beware of suspended loads.



LED lamps used in the module are sensitive and can be damaged by ESD (electrostatic discharge). To prevent damage to LED lamps, do not touch when the device is running or switched off.



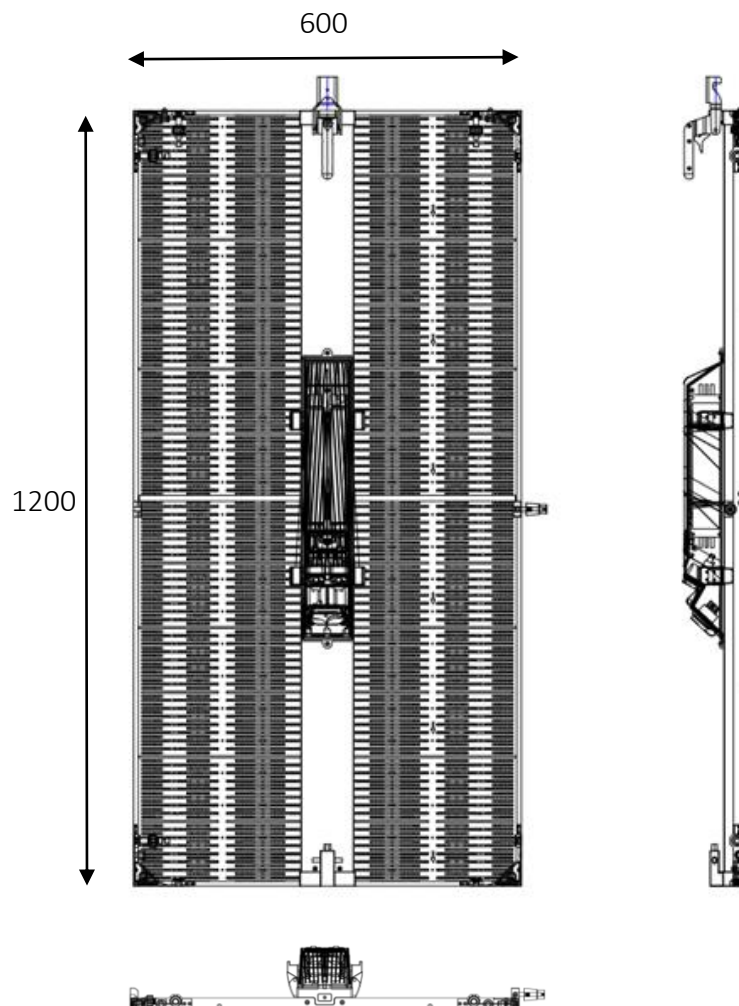
WARNING: The manufacturer shall not bear any responsibility for any incorrect, inappropriate, irresponsible or unsafe system installation.

# Product Introduction

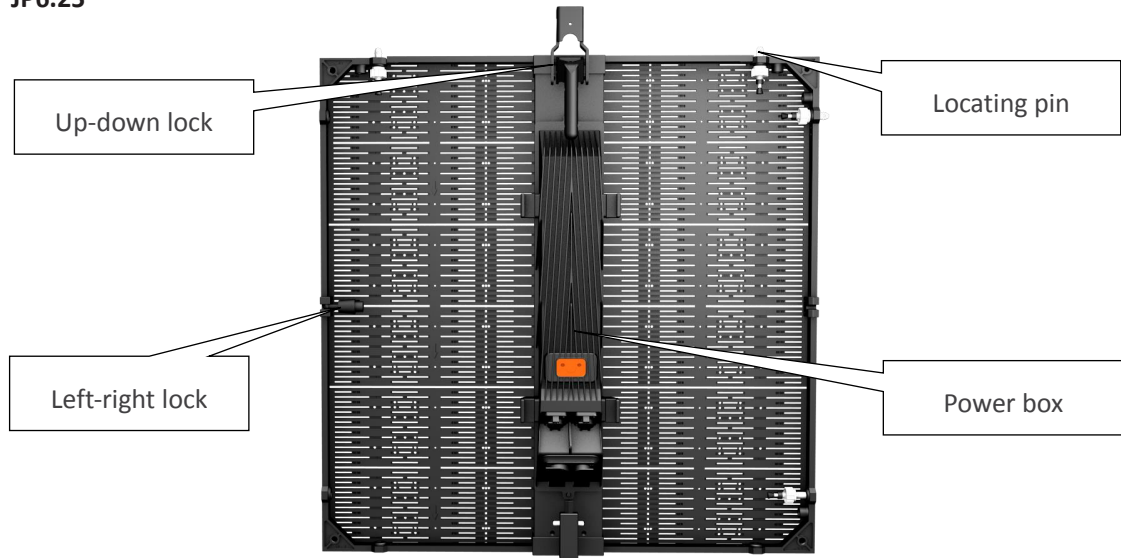
## About JP Series

JP series products are designed for stage display. It is mainly used in rental applications for festival and vocal concert, as a medium for video broadcast, result of exhibition and so on.

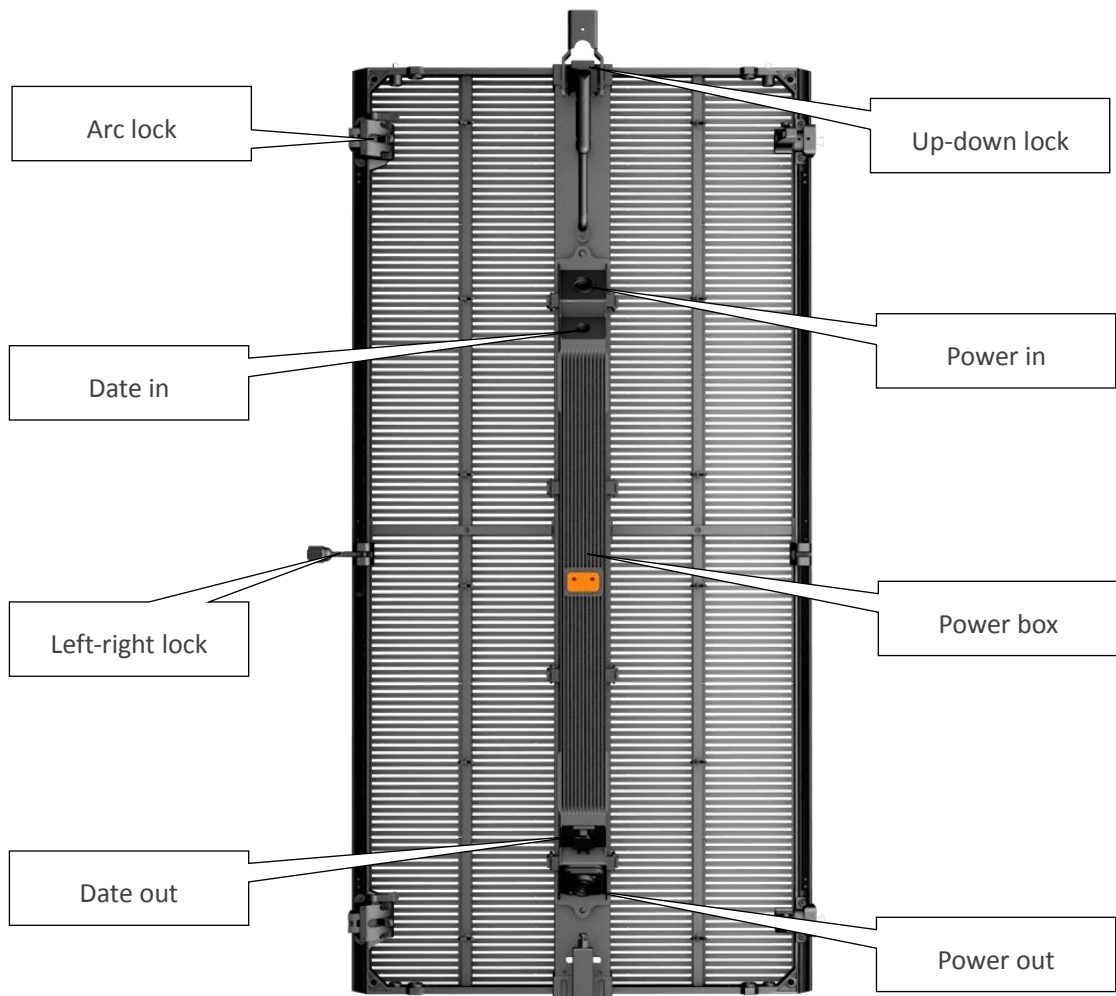
JP series includes JP6.25, JP8.33 and JP9.3. The JP series uses aluminum profile + die-casting aluminum structure and the LED curtain with more than 35% transparency, greatly reducing wind resistance and better cooling effect. The cabinet dimension includes 600 X 600 X 100mm, 600 X 1200 X 100mm and 500 X 1000 X 100mm.



**JP6.25**



**JP8.33**

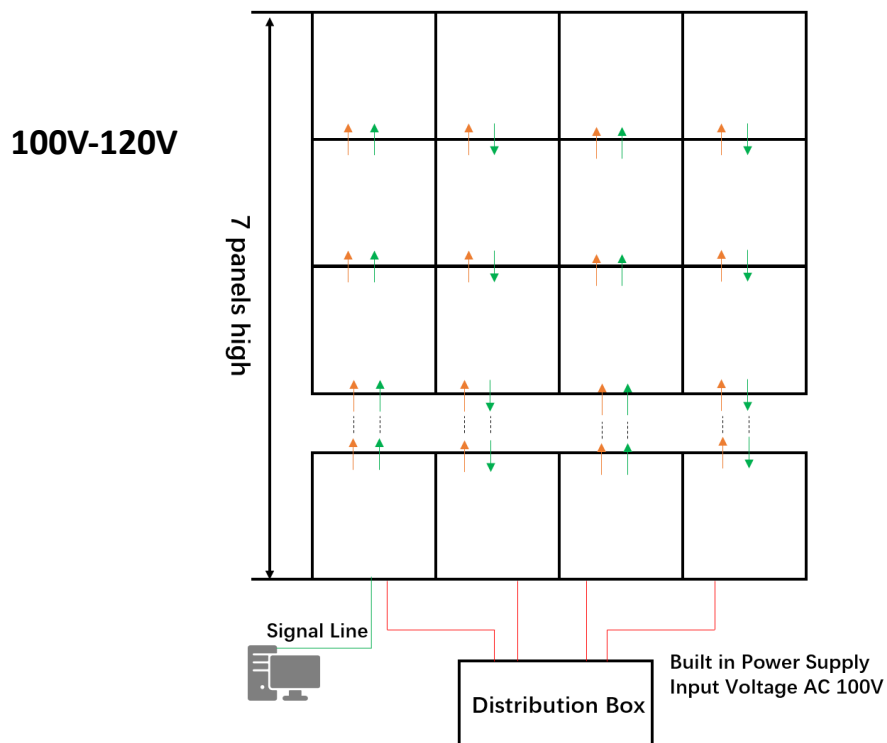
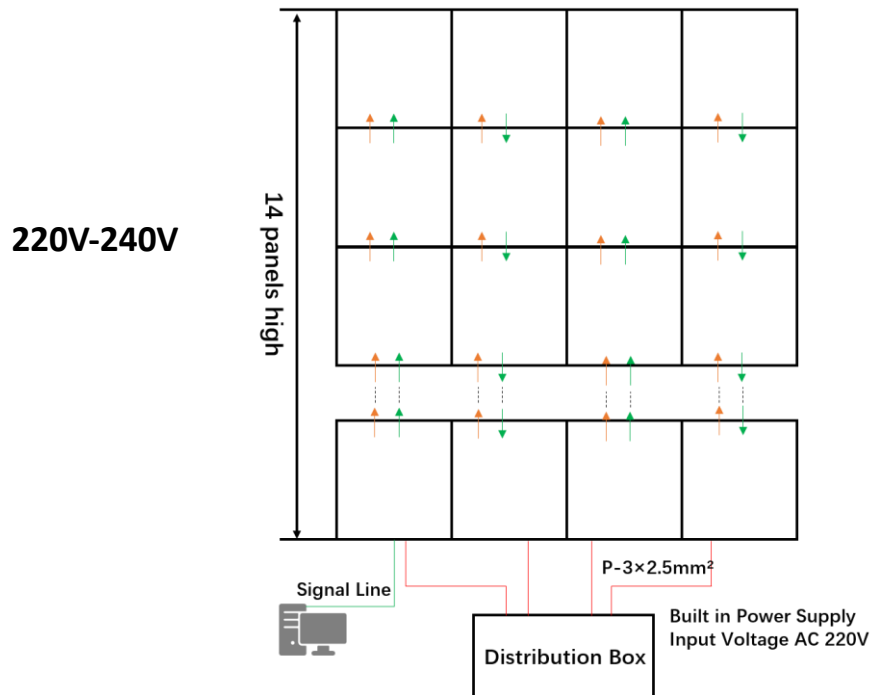


## Product Specifications

Parameters		JP6.25	JP8.33	JP9.37
Physical Parameters	Pixels	SMD1515	SMD1921	SMD1515
	Pixel Pitch (mm)	6.25	8.33	9.37
	Cabinet Pixels	96x96	60x60	64x128
	Pixel Density (Pixels / m <sup>2</sup> )	25600	7200	11377
	Module size (L x W)/(mm)	600x200	500x125	600x150
	Panel size (L x W x H)/(mm)	600x600x100 600x1200x100	500x1000x100	600x1200x100
	Cabinet Material	Aluminum Profile + Die Casting Aluminum		
	Cabinet Weight (kg/Cabinet)	5.5/8.1	6.5	6.5
Electronic Parameters	Color Processing Depth (Bit)	14	14	14
	Grayscale	16384	16384	16384
	Refresh Rate (Hz)	3840	3840	3840
	Drive Mode	1/3	1/3	1/4
	Picture Frame Frequency (Hz)	50/60	50/60	50/60
	Signal Transmission Distance (m)	UTP cable:< 100 m; Single-mode fiber:<10 km	UTP cable:< 100 m; Single-mode fiber:<10 km	UTP cable:< 100 m; Single-mode fiber:<10 km
Optical Parameters	Brightness (nit)	4500	5000	3000
	Horizontal Viewing Angle (°)	120	140	140
	Vertical Viewing Angle (°)	110	140	120
Electrical Parameters	AC Input Voltage (V)	100~240	100~240	100~240
	AC Input Frequency (Hz)	50/60	50/60	50/60
	Power Consumption (Max./Avg)(W/m <sup>2</sup> )	750/250	660/220	375/125
Environmental Parameters	Storage Temperature (°C)	- 40~+60	- 40~+60	- 40~+60
	Working Temperature (°C)	- 20~+50	- 20~+50	- 20~+50
	Storage Temperature (RH)	10%~90% Non-condensing	10%~90% Non-condensing	10%~90% Non-condensing
	Working Humidity (RH)	10%~90% Non-condensing	10%~90% Non-condensing	10%~90% Non-condensing
	Ingress Protection	IP65/IP54		
	Product Life (hrs)	100000	100000	100000
Leasing Product Installation	Cabinet Installation Method	Rigging	Rigging	Rigging
	Maximum number of hoisted cabinets	16	16	16



# Basic Wiring Overview for Hanging Installation

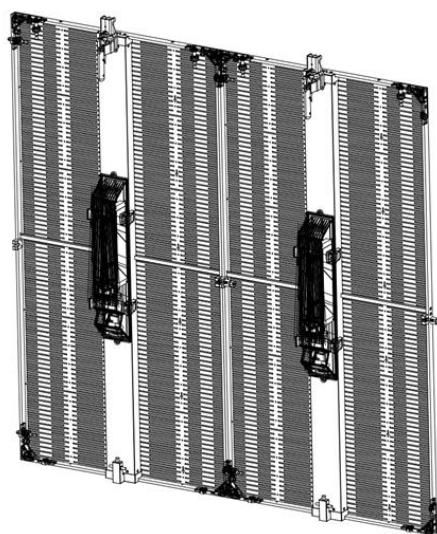
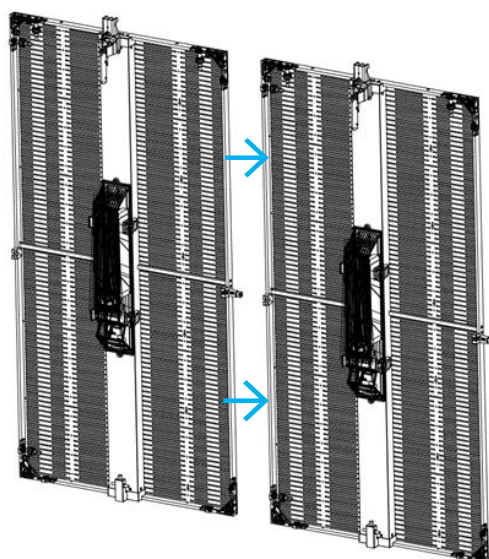


Notes:

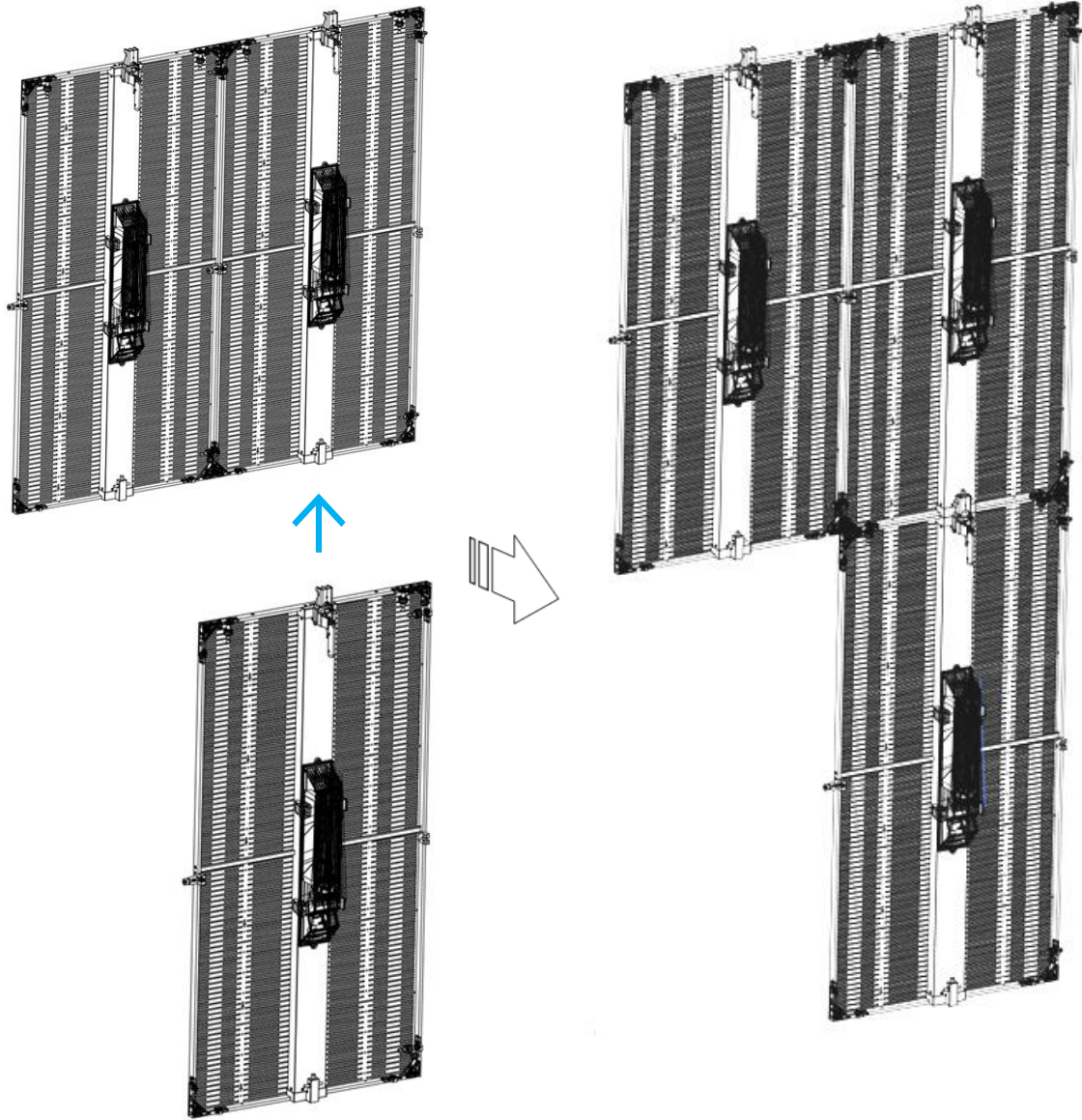
- 1、 Hanging bars can load a max height of 16 panels.
- 2、 At an input voltage of 220V, one power cable can load 16 panels of JP series ; at an input voltage of 110V, one power cable can load 8 panels of JP series.

# Locking System

## Horizontal Locking Procedures



## Vertical Locking Procedures



# Product Assembly

## Procedure

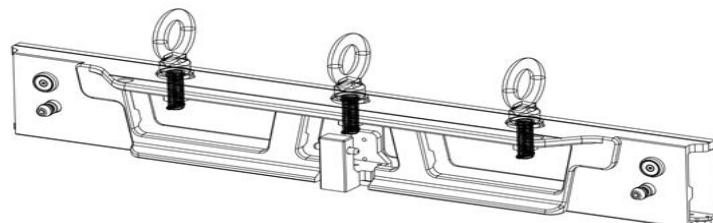
### Hanging



### Hanging Installation

Fix the Hanging Bar on the Truss

Turn the adjustment screw to make the clamps close. The hanging bar should be directly affixed to the truss.

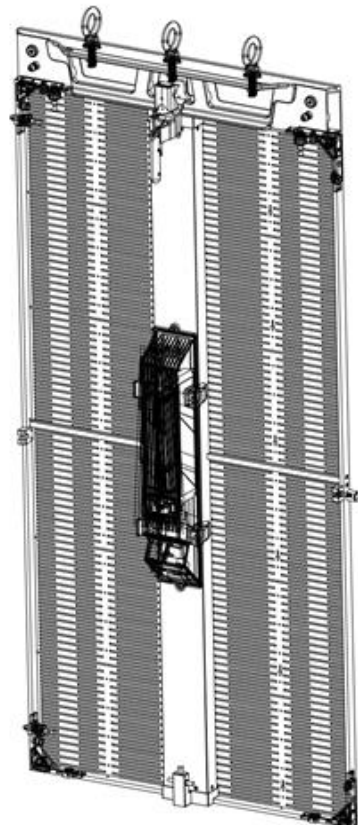
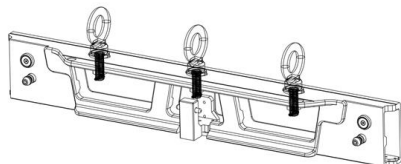


Connect and assemble tiles.

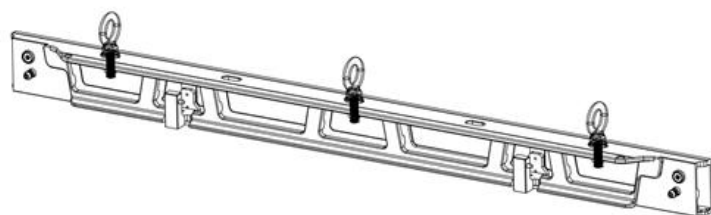


Hanging bar

0.5m hanging bar

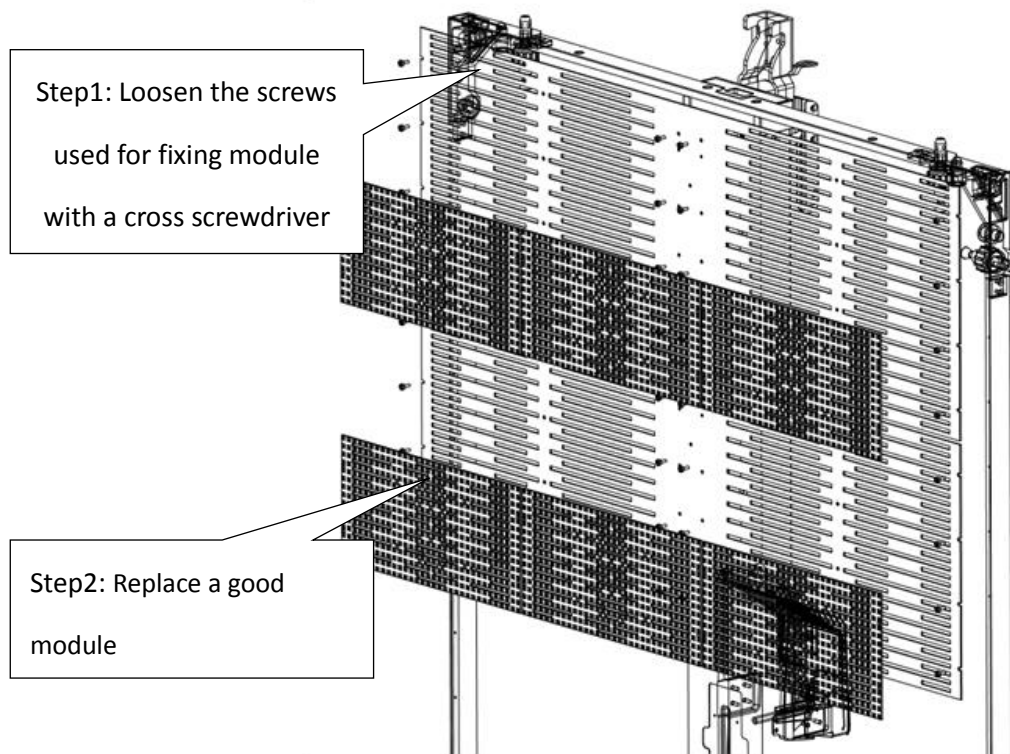


## 1m hanging bar

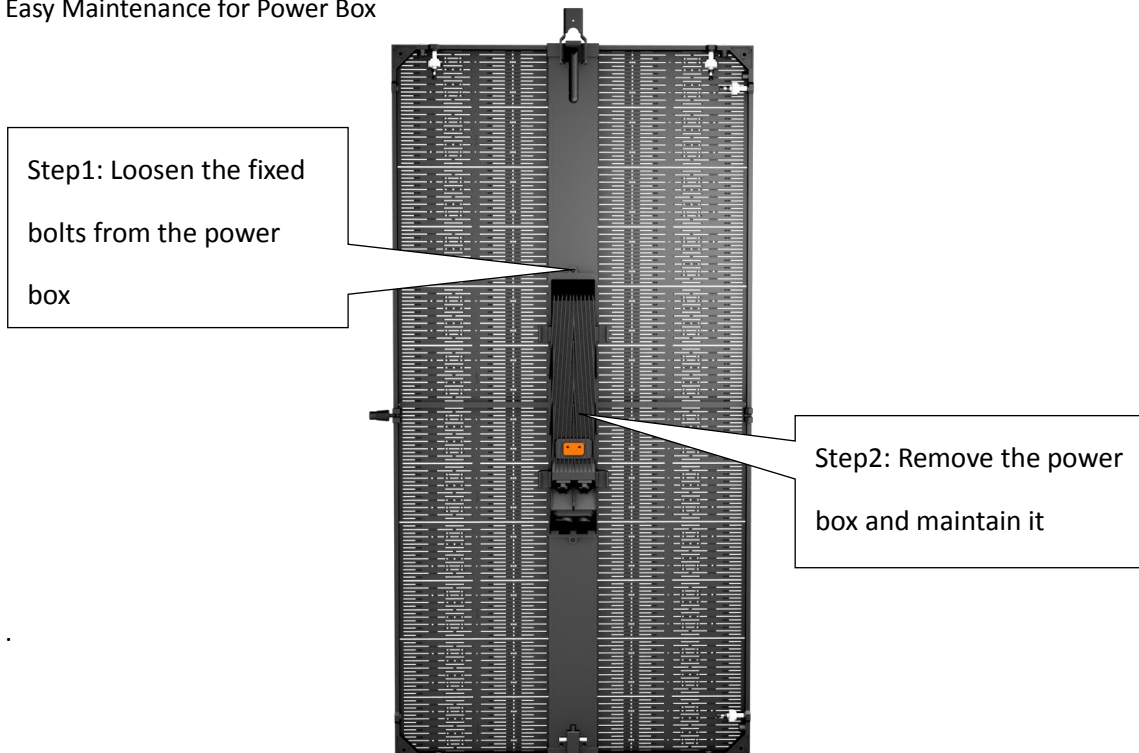


# Service and Maintenance



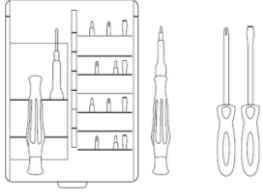
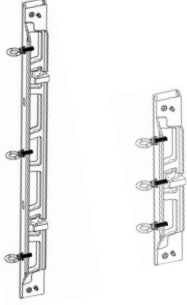
## Module Front Maintenance



## Easy Maintenance for Power Box



# Accessories

			
<p>Name:Power Cable Dimension: 1m Max Current :16A</p>	<p>Name:long Power Cable Dimension: 10m Max Current :16A</p>	<p>Name:Display DATA cable Dimension: 20m</p>	<p>Name:Panle DATA cabel Dimension: 1m</p>
			
<p>Name: Sending card Box Dimension: W480×H45×D240mm</p>	<p>Name:Flight case Max Capacity :12 in 1</p>	<p>Name:Front Maintenance tool</p>	<p>Name:base stand Dimension: 0.5M,1M</p>

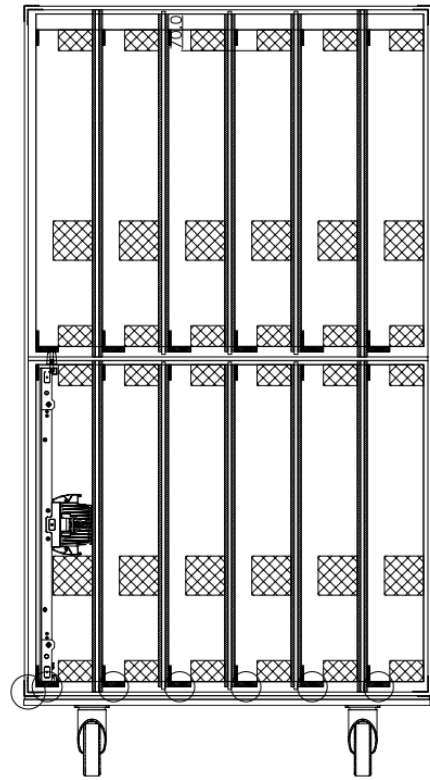
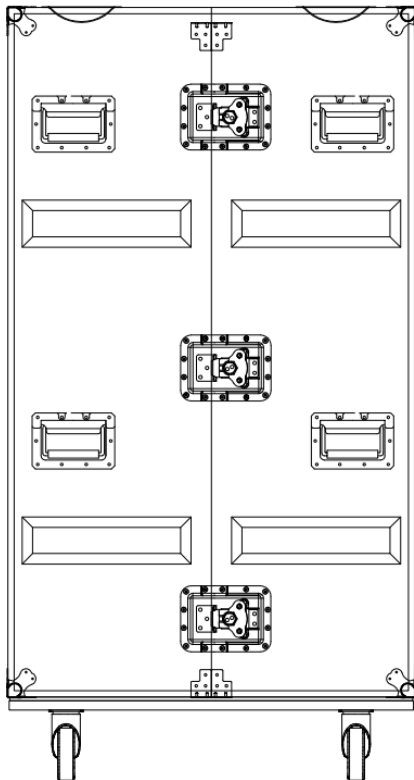


# Flight case

LED panels stored horizontally to prevent SMD damage.

Flight cases are optimised to fit in vehicles for low cost transport. Fully stackable to save space.

12 in 1 design.



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Shenzhen Absen Optoelectronic Co., Ltd.

18-20F Building 3A, Cloud Park, Bantian, Longgang District, Shenzhen 518129, P.R.China

T: +86-755-89747399

E: [absen@absen.com](mailto:absen@absen.com)

W: [www.absen.com](http://www.absen.com)