High Flexibility Steel Structure Workshop Net Structure for Factory Building / Power Station

Our Product Introduction

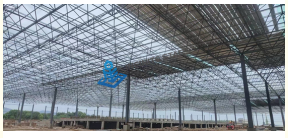
Basic Information

- Place of Origin: china
- Brand Name: INFINTE STARS
- Certification: CE/ISO9001/ISO45001/ISO14001
- Model Number: B
- Minimum Order Quantity: 7 Sets
- Supply Ability: 100t/day

Product Specification

- Design Options: Versatile
- Material: Steel
- Usage: Building Construction
- Name: Steel Structure Workshop
- MOQ: 7 PCS
- Highlight: **High Flexibility Steel Structure Workshop**, **Steel Structure Workshop Net Structure**, **High Flexibility Steel Structure Construction**

More Images



Our Product Introduction

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Product Description

For professionals seeking exceptional strength, durability, and precision in their construction projects, our Elite Steel Structure Buildings offer an unparalleled solution.

Engineered to the most stringent industry standards, our Elite Steel Structures are crafted from high-grade steel alloys that are rigorously tested to ensure maximum structural integrity. This ensures that our buildings can withstand the harshest conditions and heaviest loads, making them ideal for industrial, commercial, and even residential applications.

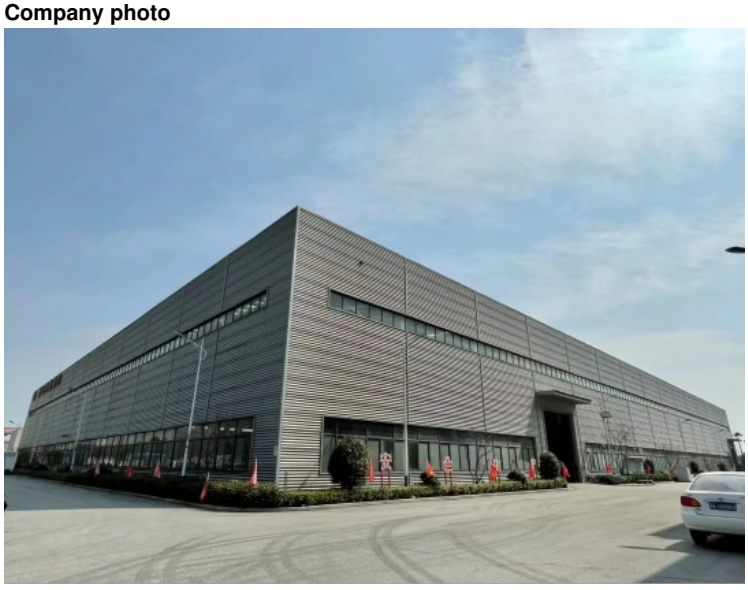
Our precision manufacturing processes guarantee accuracy and repeatability, allowing for seamless integration of modules and components. This not only ensures a smooth construction process but also provides a finished product that meets the exact specifications and requirements of our clients.

The modular design of our Elite Steel Structures offers numerous benefits. Not only does it allow for faster assembly and reduced construction time, but it also provides flexibility in design. Our team of experts can customize the layout, dimensions, and finishes to perfectly match the needs and preferences of our clients.

Moreover, our Elite Steel Structures are designed with sustainability in mind. Steel is a highly recyclable material, and our manufacturing processes are optimized to minimize waste and energy consumption. This not only reduces the impact on the environment but also contributes to the long-term cost-effectiveness of our buildings.

Backed by our team of experienced professionals and comprehensive customer support, our Elite Steel Structure Buildings are the preferred choice for professionals seeking superior performance, reliability, and value for their construction projects.

Company introduction
As a wholly-owned subsidiary of Wujiang Saima (established in 2005), Suzhou Stars Integrated Housing Co., Ltd. focuses on foreign trade. As one of the most professional prefabricated house manufacturers in south-east China, we provide customers with all kinds of integrated housing solutions.
Equipped with complete production lines, including sandwich panel production machines and steel structure production line, with 5000 square meter workshop and professional staff, we already built long-term business with domestic giants like CSCEC and CREC. Also, based on our export experience in the past years, we are furthering our steps to global customers with best product and service.
As a supplier to overseas customers all over the world, we are very familiar with the manufacturing standards of various countries, such as European standards, American standards, Australian standards, and so on. We have also participated in the construction of many large-scale projects, such as recent 2022 Qatar World Cup camping construction.
Company photo



Workshop

A steel structure workshop is a dedicated facility used for the manufacturing, processing, and assembly of steel structural components. It is typically equipped with advanced equipment, technology, and professional staff to meet the needs of various steel structure projects. Here are some key information and characteristics of a steel structure workshop:

Equipment and Technology:

Cutting equipment: such as flame cutters, plasma cutters, etc., used for precise cutting of steel plates and steel sections.
Welding equipment: including manual welding equipment, automatic welding equipment, semi-automatic welding equipment, etc., used for connecting steel structural components.
Forming equipment: like rolling mills, pipe bending machines, etc., used to process steel plates and steel sections into the desired shapes and sizes.
Drilling and punching equipment: for making holes in steel structural components, facilitating bolted connections and other purposes.
Inspection equipment: such as ultrasonic flaw detectors, X-ray flaw detectors, etc., used to detect welding quality and material defects.

Workflow:
Design phase: designing steel structure drawings and detailed drawings based on customer requirements and construction standards.
Material preparation: purchasing steel plates, steel sections, and other materials that meet the requirements, and conducting pretreatment such as rust removal and painting.
Processing and manufacturing: using various equipment to cut, form, weld, and otherwise process materials according to drawings and detailed drawings.
Quality inspection: conducting quality inspections on the processed steel structural components to ensure they meet the design requirements and quality standards.
Packaging and transportation: packaging the qualified steel structural components and arranging for transportation to the construction site.
Characteristics:
Flexibility: the steel structure workshop can be flexibly adjusted according to project needs to accommodate different scales and complexities of steel structure projects.
Efficiency: adopting advanced equipment and technology can improve processing efficiency and quality, shortening project cycles.
Environmental friendliness: focusing on environmental protection and sustainable development in material selection, processing processes, and waste disposal.
Safety: strictly complying with safety regulations and operating procedures to ensure the safety of staff and equipment.
Application Fields:
Construction engineering: structural systems for buildings such as factories, warehouses, stadiums, and exhibition halls.
Bridge engineering: bridge piers, bridge bodies, and other parts of highway bridges, railway bridges, pedestrian bridges, etc.
Ocean engineering: structural parts of offshore platforms, ships, marine facilities, etc.

Performance Parameter	Description	Example Value/Range
Span	Horizontal distance of the plant	10-30 meters
Column Grid Distance	Distance between columns	≤ 6 meters
Roof Pitch	Inclination angle of the roof	≥ 15 degrees (depending on regional rainfall)
Height	Total height of the plant	≤ 20 meters
Design Load	Load-bearing capacity per unit area	150-800 kg/cm²
Fire Resistance Class	According to building design fire safety code	Class I, Class II, Class III
Fire Resistance Time	Duration of exposure to high temperatures	Class I ≥ 2h, Class II ≥ 1h, Class III ≥ 0.5h
Earthquake Resistance Rating	Based on local seismic fortification intensity	8+ scale
Wind Resistance	Ability to resist typhoons	Resistance to typhoons with wind speeds up to 70 meters per second
Corrosion Resistance	Corrosion resistance of steel	Anti-corrosion treatment on steel surface
Wall Sound Insulation	Sound insulation effect of wall structure and materials	Brick wall, concrete, light steel keel gypsum board wall, etc.
Floor Sound Insulation	Sound insulation effect of floor structure	Design with support or cavity under the floor

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