

How to hoist a wind turbine safely?

Because the lifting height, load and lateral dimension during the safe hoisting process of the wind turbine are relatively large, the special jib structure of the all-terrain crane for hoisting wind turbine safely is adopted to solve the problem of interference between the crane jib and the wind power equipment.

Why is all-terrain crane necessary for hoisting land wind turbines?

All-terrain crane is indispensable for hoisting land wind turbines safely. Because the lifting height, load and lateral dimension during the safe hoisting

How jib structure can be used to predict wind turbine lifting safety?

Through the mechanical analysis of the jib structure as a whole, it can be obtained that the static stress and strain cloud map of the jib, the geometric nonlinear analysis cloud map and the maximum stress and strain of the jib structure. The use of these analysis results can be forecast wind turbine generator lifting safety.

How to hoist a land turbine generator?

The special jib for safety hoisting of land turbine generator mainly includes main jib head, sub-jib bracket and front and rear pull plate and so on, which consists of a combination of truss and plate girder structures, as shown in Fig. 2. L is hoisting wind turbine generator all-terrain crane special jib length.

Why is hoisting of wind power equipment a problem?

With the wide application of clean energy wind power, the hoisting of wind power equipment brings us great challenges. And the frequent occurrence of hoisting accidents also brings a lot of adverse effects to the society.

Can a chain hoist be used as a crane?

In classic wind turbines in the onshore sector, the electric chain hoist is usually installed as a stationary "service crane" and used for service and maintenance work. But you can also use it as a mobile crane, for example for repairs and the replacement of turbine parts. LIFTKET supplies products for different load capacities and lifting heights.

China's installed wind power capacity has grown rapidly since 2006 and has become the world's largest wind power market. In 2021, there has been 30.7 GW of newly ...

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performance analysis of the jib structure for the wind power unit hoisting is carried out, so as to identify and guide the safe hoisting of the wind power unit. This study has practical ...

Post author: Cuimei Zhang; Post published: 2021-07-19; Post Category: News / Wind Energy; Recently, the hoisting of the first 4.5MW wind turbine unit of Taiyuan Heavy Industry (THI) Aerodyn platform was ...

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grid-integrated wind power capacities, respectively, accounted for 27% and 13.8% of installed power capacities nationwide in 2021. Wind power remains the third largest generation source ...

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CWEA officially released the "2022 China Wind Power Hoisting Capacity Statistical Briefing". In 2022, the country (excluding Hong Kong, Macao, and Taiwan regions) will have a newly installed capacity of 11098 units, with a ...

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