

What is ice-storage air-conditioning technology?

Ice-storage air-conditioning technology is a kind of phase change energy storage. It makes use of the valley load electricity to make ice to storage cool at night and melt ice into water during daytime peak hours. It can release the amount of cool stored in the ice and supply cooling capacity to the load end with refrigeration unit.

How many people use ice-storage air-conditioning system?

In 1993,the number of the users of ice-storage air-conditioning system is only 2,but this figure increased to 716by 2015 . It is divided into static ice-storage system and dynamic ice-storage system according to different ice making methods.

What are the advantages of ice-crystal type ice storage air-conditioning system?

Ice-crystal type ice-storage air-conditioning system not only has the advantages of stable ice making and ice melting process and large energy-storage density,but also can save the storage space of the system and have a strong adaptability.It has good energy saving effect and economic benefit.

What is ice crystal cool-storage air-conditioning system?

For ice crystal cool-storage air-conditioning system, because the ice crystal which produced in the ice-storage tank is very small and uniform with the diameter of about 100Î¼m and can be directly pumped to participate in the refrigeration cycle at the load end, the system eliminates the need for secondary cooling medium and heat exchanger.

Why is air conditioning so important?

A huge portion of the peak demand in the energy grid is driven by air conditioning,especially in hot climates. Energy use for cooling buildings has doubled over the past two decades,with warmer temperatures being one of the main drivers,according to the International Energy Agency.

Why should you choose a static ice-storage air-conditioning system?

Under the condition of satisfying certain conditions,the system can achieve the same level of investment as the conventional air-conditioning system,even lower,and the actual running cost is lowerthan that of the conventional air-conditioning system or the static ice-storage air-conditioning system at the same time .



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