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Product News

**Peak Cut Device "SANUPS K33A"**  
**Helping Factories Reduce Costs for Electrical Installations**

March 17, 2011

SANYO DENKI CO., LTD. has developed the "SANUPS K33A" peak cut device that helps factories reduce costs for electrical installations. Since large servo press machines and conveyor systems require a large instantaneous electric power to drive motors, so that the power distribution system in the factory is required to provide the instantaneous peak power. The "SANUPS K33A" can reduce the peak power in the distribution system by releasing the energy stored in the electric double-layer capacitor to drive motors and thus can keep the capacity of the distribution system to the minimum necessary.



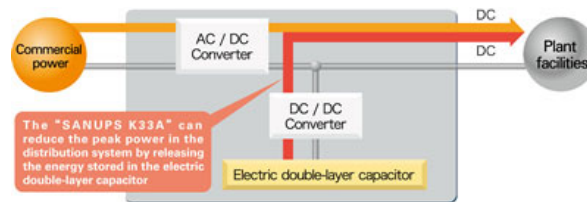
Features

1. System Cost Reduction

Large servo press machines and conveyor systems require a large instantaneous power to drive motors. By releasing the stored energy for that purpose, the "SANUPS K33A" can reduce the capacity of the power distribution system in the factory.

2. High Quality

The "SANUPS K33A" uses a long-life electric double-layer capacitor that enables a compact design and ensures stable, long-term, peak-cut performance.



Specifications

Item		Contents	Note
Input	Output electrical system	Three-phase 3-wire system	
	Rated voltage	415V(380V, 400V, 420V, 440V)	
	Rated frequency	50/60Hz	
Output		Direct current	
Maximum output capacity		1800kW	Input capacity + capacity of auxiliary energy from capacitor
Input capacity		600 to 1600 kW	Customizable to customer specifications
Capacity of auxiliary energy from capacitor		1200 to 200 kW	
Storage battery		Electric double-layer capacitor	
Model		K33AD185	

Applications

Large press machines and conveyor systems

Release Date

March 17,2011

▪ Servo Press Machine

A press machine is a tooling machine that processes a workpiece made of metal or other material by clamping it in a die. In the press machine industry, servo press machines using a highly controllable servo motor are increasingly being used instead of conventional hydraulic press machines. Compared with hydraulic press machines, servo press machines can finely control the speed, position, and pressure, and maintenance is easy because they do not require oil.

▪ Electric double-layer capacitor

This is one type of storage battery for storing electric energy, which can charge and discharge a large current rapidly and has a long life because it is highly resistant to deterioration. It is also environmentally friendly because it does not use any heavy metal.

\*The information in this release is current as of March 17,2011.

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