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## **. Name : POWTRAN PS7800 Energy Saving Machine - Ac Drives**

Depending on electric control cutting-edge technology and electric motor running features, POWTRAN developed t this new generation product with high-quality, multi-functional motor control, environmental protection and energy saving. It has integrated space voltage vector, PWM, vector control technology, adopted high-performance power module and advanced energy-saving manufacturing process, which let it be innovative and worldwide advanced. This product is different from electrical energy saver in the past, with variable speed to meet the dual effect of technology and energy saving and low-speed, heavy load equipment control. That truly realizes intelligent, systematic and individual management of the energy savings.

### **Description**

1. Adopting Texas Instruments TI 32-bit DSP chip as the core control unit, optimized space vector control technology, realized high performance control system
2. Application of high performance power module IGBT and advanced energy-saving device manufacturing process, the motor Input power and control system integration
3. With automatic torque compensation, automatic voltage regulation, the instantaneous power speed tracking re-start function;
4. Built-in PID function enable high-performance closed-loop control
5. Humanistic design to avoid user secondary processed, input and output connected to use of green energy. And automation products, flexible and convenient; with LCD display, it's all

parameters are passed on the touch panel key input, all the settings and operation and fault conditions are displayed on the screen, etc.

6. Powerful communications capabilities support the standard Rs485 and Can Bus, setting. A computer interface for the DCS system monitoring, to provide remote control keyboard function, and PLC, PC and other connections, can facilitate the automatic composition to meet the different needs of control system

