

## Green Power Guarantee for Equipment Room

-Introduction to ZTE Modular UPS

### Introduction

ZXUPSE T080 series Uninterruptible Power System adopt modular design, providing output from 10kVA to 120kVA using 10kVA modules. ZXUPSE T080 series provides reliable power guarantee for AC equipments in core equipment rooms and data equipment rooms with the following features: high availability, high maintainability, high efficiency, energy conservation and low cost.

### High Reliability and Maintainability

- Uses 10kVA module to build a system with a maximum capacity of 120kVA that works in N+X parallel operation mode. The failed module quits the system automatically without affecting the system, thus improving system reliability and guaranteeing the uninterrupted power supply for important devices.
- The modules are hot-pluggable and users can replace failed modules themselves instead of seeking help from the manufacturer specialists, thus reducing the maintenance period from days to minutes and effectively reducing OPEX.
- The modular design fits in with the “investing while growing” investment concept, and enables customers to conveniently expand system capacity according to user requirements with a cost that is over 80% lower than traditional UPS.



## 40% Energy Saving and 50% Land Saving

- Intelligent, dynamic and multiple working modes: ECO, sleep and standard modes ensure that the system works under the optimal efficiency with an energy-conserving rate of more than 30%.
- Keeps the system working at 70% load rate by adopting modular backup and the sleep mode, which ensures that the system's real working efficiency reaches 93% or above, which is 20% higher than the traditional 1+1 parallel backup mode. For example, for a data equipment room with 50kW AC loads, more than 15,000 dollars can be saved annually on electricity power charges.
- Modular design in one single rack. All the modules share the same battery packs, saving the floor space by 50% compared with the traditional 1+1 parallel backup mode.
- Modular design in one single rack. All the modules share the same battery packs, and small to medium capacity systems have AC distribution switches. Compared with the traditional 1+1 parallel backup mode, it can save one UPS cabinet, one battery cabinet, one AC distribution cabinet, thus reducing the cabinet materials by 60%.

## Outstanding Performance and High Adaptability

- High frequency design. The system input power factor is 0.996 and the harmonic wave is less than 3% (with 50% and above load rate), so there is no need to add filter devices, making it a real green power source.
- The pluggable modular system is safe and independent, each module having its own operation system, control circuit, rectification circuit, inverter circuit and man-machine interface, and each module adopting DSP control, which provides better performance and higher reliability.
- Wide temperature adaptability: It works normally under  $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$  in the long term, improving the reliability and meanwhile reducing the use of the air conditioner, which saves the energy consumption for the air conditioner.