

Three-phase modular UPS

# ATP DT33 Series

(200V/208V/220V)



## Overview

ATP DT33 series three phase UPS offers advanced technology that increase performance and reliability: three high speed DSPs with completed digital control fully ensure high quality of power supply, high input power factor and low input current distortion. It also offers humanization design: full front access of serviceability and user-friendly interface.



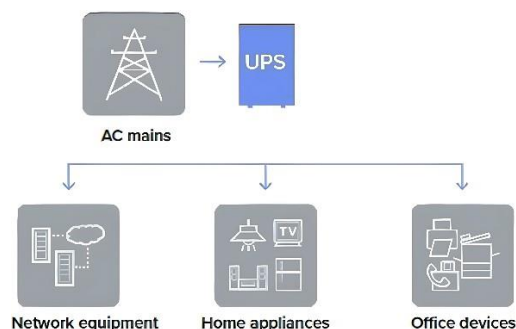
## Features

- High efficiency, up to 94%.
- High input PF >0.99; Input current THDi <3%.
- Multi-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit.
- Battery cold start.
- Battery management with smart charging control, greatly extend the battery life.
- High power density.
- Parallel up to 540kVA.
- Modular design of subsystem, convenient for field maintenance.
- Friendly operation interface, color touch LCD screen.

## Application fields

Specially designed for the protection of sensitive equipment in general, servers and workstations.

IDC (Internet Datacenter), ISP, IT, Room, Service Center.



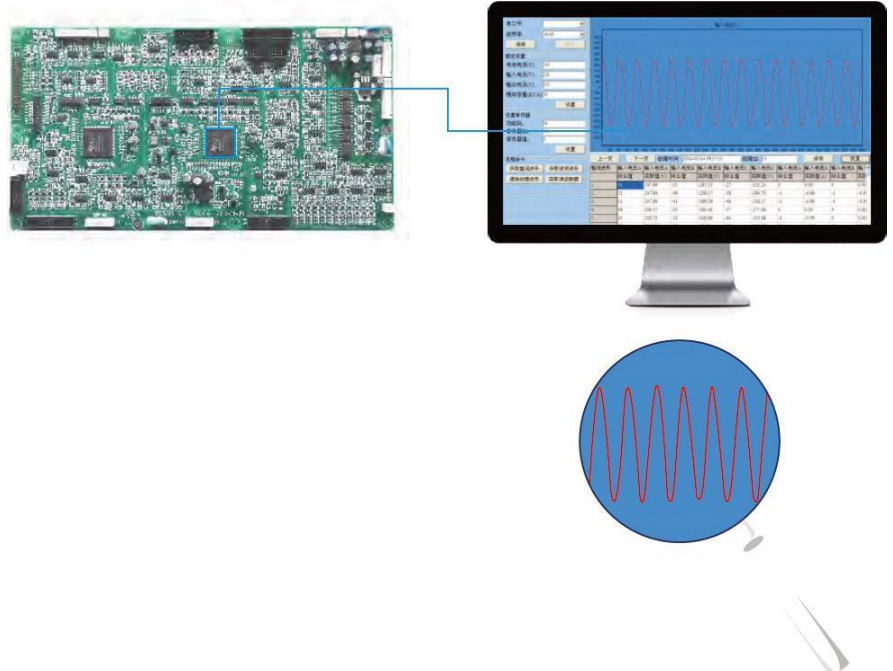
## Friendly Interface

10.4" Touch color LCD with comprehensive graphical information of operation, easier for customer to maintenance.



## Critical Waveform Recording

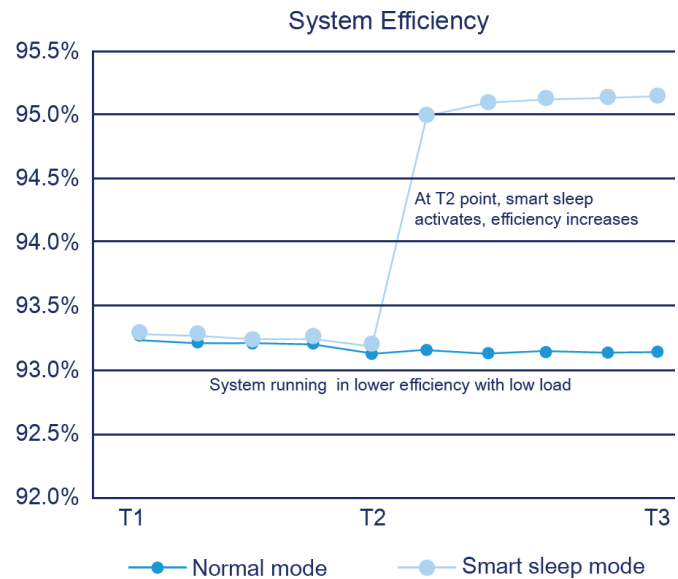
- UPS can record and save the data of the main parameters automatically when faults happen for further analysis.
- Can record data information and present as waveform for further analysis.
- Can easily spot the causes of the failures, avoid future similar faults.



## Smart Sleep

Smart Sleep function can intelligently make some power modules go to sleep when load is relatively low, improving the efficiency of the remaining power modules and saving customers on power and cooling costs.

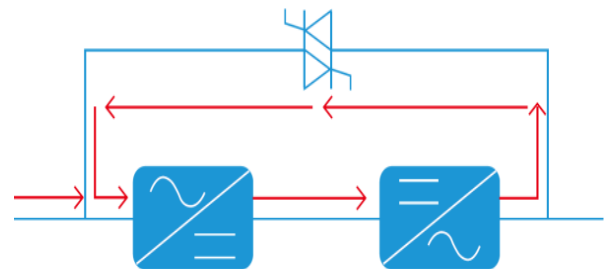
- Improving efficiency, reducing power and cooling costs.
- Easy setting with just two steps. Customers can select sleep mode and rotation period.
- Power modules working in rotation, prolong the life time.



## Self-aging

Self-aging is an advanced function applied in all three phase UPS. Self-aging function can test UPS under different load situation without real load, saving more than 90% of energy.

- Simulate different load conditions without connecting to any real load, saving 90% of energy.
- On site setting supported, easy for factory testing.

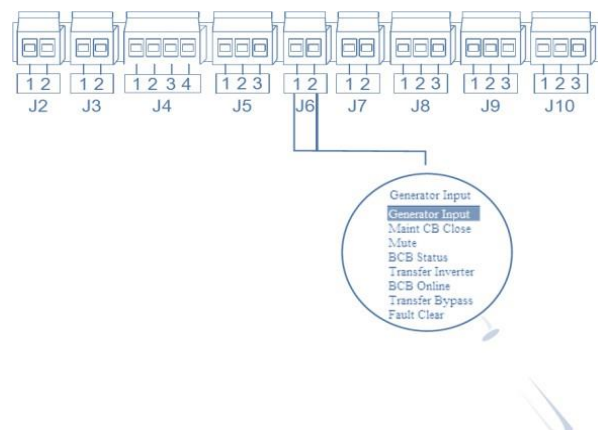


## Programmable Dry Contacts

Programmable dry contacts are available in all ATP-RM and ATP-DT33 series UPS. Customers can easily expand or modify the definition of each port.

Abundant options with three inputs and four outputs, all programmable

Easy setting, just pull the drop-down menu and set  
Compatible with all the ATP-RM and ATP-DT33.



## Technical specifications

| MODEL                |              | ATP-DT3360X   | ATP DT3390X                       | ATP DT33180X | ATP DT33300X   |
|----------------------|--------------|---|-----------------------------------|--------------|----------------|
| Capacity             |              | 60kVA   | 90kVA                             | 180kVA       | 300kVA         |
| Power module         |              | 30X(30kVA/27kW)   |                                   |              |                |
| INPUT                |              |   |                                   |              |                |
| Phase                |              | 3 Phase + Neutral + Ground, 208V/220V (line to line)  |                                   |              |                |
| Voltage range        |              | 166~261Vac (Line-Line), full load<br>125V~166Vac (Line-Line), load decrease linearly according to the min phase voltage   |                                   |              |                |
| Frequency range      |              | 40Hz-70Hz   |                                   |              |                |
| THDi                 |              | <3% (full linear load)  |                                   |              |                |
| Power factor         |              | >0.99   |                                   |              |                |
| OUTPUT               |              |   |                                   |              |                |
| Voltage              |              | 200/208/220VAC (Line-Line)  |                                   |              |                |
| Voltage regulation   |              | ±1% for balance load; ±1.5% for unbalance load  |                                   |              |                |
| THDu                 |              | <1.5% (linear load), <6% (none-linear load)   |                                   |              |                |
| Power factor         |              | 0.9   |                                   |              |                |
| Frequency range      |              | 50/60Hz   |                                   |              |                |
| Overload capacity    |              | 110% for 60 min; 125% for 10 min; 150% for 1 min; >150% for 200ms   |                                   |              |                |
| BATTERY              |              |   |                                   |              |                |
| Voltage              |              | ±120VDC   |                                   |              |                |
| Charge power         |              | 20%*System Power  |                                   |              |                |
| Voltage precision    |              | 1%  |                                   |              |                |
| SYSTEM               |              |   |                                   |              |                |
| Efficiency           | Normal       | 94%   |                                   |              |                |
|                      | Battery      | 93%   |                                   |              |                |
| Display              |              | Color LCD touch screen+ LED+ Keyboard   |                                   |              |                |
| IP class             |              | IP20  |                                   |              |                |
| Interface            |              | Standard:RS232, RS485, USB, Dry contact<br>(Programmable) Optional: Battery Cold Start<br>(Standard above 150kVA) SNMP, AS400, parallel kit,<br>Lightning protection components |                                   |              |                |
| Operation/storage    |              | 0-40°C/-40-70°C   |                                   |              |                |
| Relative humidity    |              | 0-95% (non-condensing)  |                                   |              |                |
| Noise                |              | 68dB @ 100% load,<br>65dB @ 45% load  | 72dB @ 100% load, 69dB @ 45% load |              |                |
| PHYSICAL             |              |   |                                   |              |                |
| Weight (kg)          | Cabinet      | 210   | 350                               | 490          | 900            |
|                      | Power module | 45  |                                   |              |                |
| Dimension (W*D*H) mm | Cabinet      | 600*980*1150  | 650*960*1600                      | 650*970*2000 | 1300*1100*2000 |
|                      | Power module | 510*700*178   |                                   |              |                |

