

Three-phase Online UPS

ATP DT33 -HV Series

Power: 60~500KVA
Input voltage: 380~415 Vac
Output voltage: 380~415 Vac



Overview

ATP DT33-HV 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.



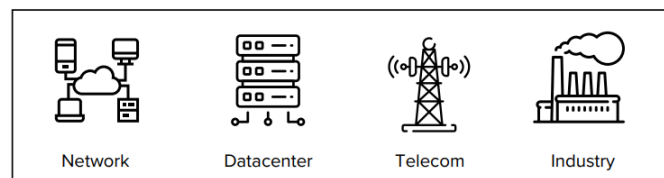
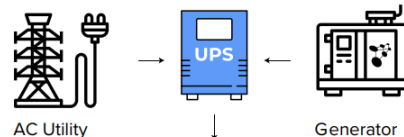
Features

- High efficiency, up to 96%.
- 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 1500kVA.
- Modular design of subsystem, convenient for field maintenance.
- Friendly operation interface, color touch LCD screen.



Application fields

Its versatility and reliability make it an ideal UPS for medium and large datacenters, industrial processes, sensitive equipment in telecommunications networks and as a power supply to office equipment in medium and large companies.



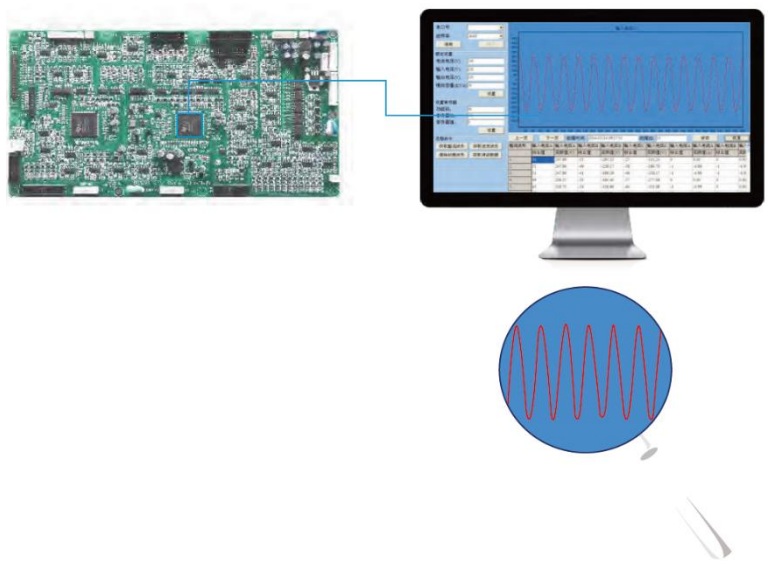
Friendly Interface

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

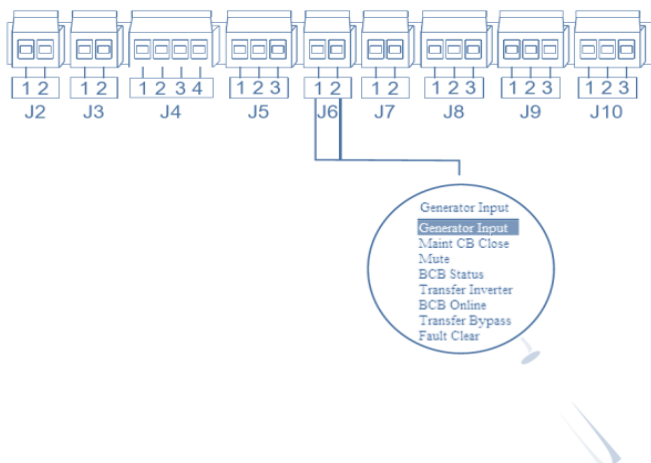


Critical Waveform Recording

- 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.



Programmable Dry Contacts



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

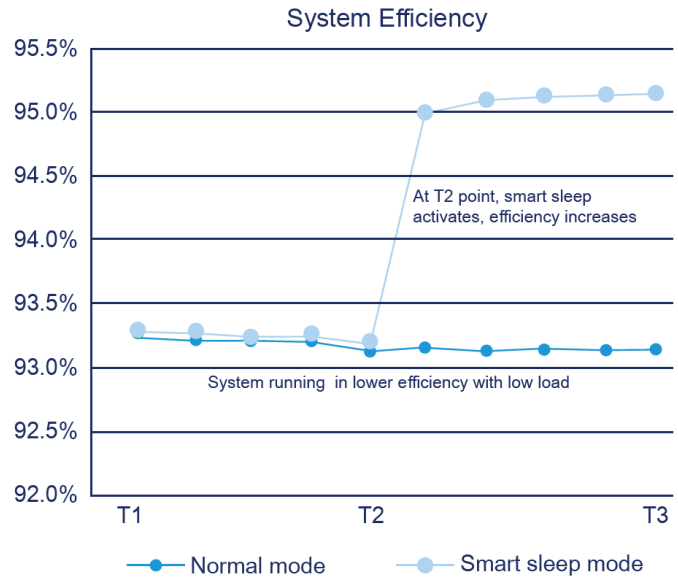
Abundant options with three inputs and four outputs, all programmable

Easy setting, just pull the drop-down menu and set

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.

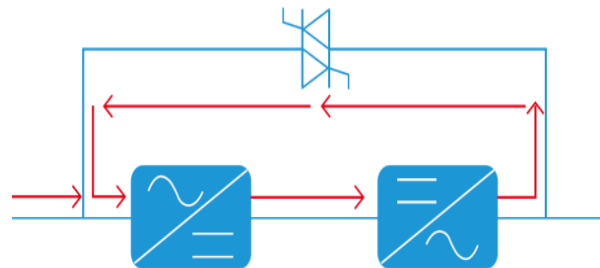
- Improving efficiency, reducing power and cooling costs.
- Easy setting with just two steps. Customers can select sleep mode and rotation period.
- Power modules working in rotation, prolong the life time.



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.



Technical specifications

| MODEL | ATP-DT3360X | ATP-DT3380X | ATP-DT3390X | ATP-DT33100X | ATP-DT33120X | ATP-DT33150X | ATP-DT33200X | ATP-DT33250X | ATP-DT33300X | ATP-DT33400X | ATP-DT33500X | |
|------------------------|---|------------------|------------------|------------------|------------------|------------------|---|------------------|------------------|--------------------|--------------------|--|
| System Capacity | 60kVA | 80kVA | 90kVA | 100kVA | 120kVA | 150kVA | 200kVA | 250kVA | 300kVA | 400kVA | 500kVA | |
| Input | | | | | | | | | | | | |
| Dual input | Standard | | | | | | Optional | | Standard | | | |
| Phase | 3 Phase+Neutral+Ground, 380V/400V/415V(line-line) | | | | | | | | | | | |
| Input Voltage Range | 304~478Vac (line-line),full load; 228V~304Vac (line-line),load decreases linearly according to the min phase voltage | | | | | | | | | | | |
| Rate Frequency | 50/60Hz | | | | | | | | | | | |
| Input Frequency Range | 40Hz ~70Hz | | | | | | | | | | | |
| Input PF | >0.99 | | | | | | | | | | | |
| Input THDI | <3% @ (100% Linear load) | | | | | | | | | | | |
| Bypass | | | | | | | | | | | | |
| Rate Voltage | 380/400/415Vac (line-line) | | | | | | | | | | | |
| Rate Frequency | 50/60Hz | | | | | | | | | | | |
| Input Voltage Range | Settable, -40% ~+25% | | | | | | | | | | | |
| Bypass Frequency Range | Settable, ±1Hz, ±3Hz, ±5Hz | | | | | | | | | | | |
| Bypass Overload | 125% long term operation 130% for 10 mins 150% for 1 min >150% for 300ms | | | | | | 110% long term operation 125% for 5 mins 150% for 1 min >150% for 1s | | | | | |
| Output | | | | | | | | | | | | |
| Rate Voltage | 380/400/415Vac (line-line) | | | | | | | | | | | |
| Volage Regulation | 1% for balance load; 1.5% for unbalance load | | | | | | | | | | | |
| Rate Frequency | 50/60Hz | | | | | | | | | | | |
| Frequency Precision | 0.1% | | | | | | | | | | | |
| Output PF | 1 | | | | | | | | | | | |
| Output THDu | <1% , Linear load; <5.5%, Non-linear load | | | | | | | | | | | |
| Crest Factor | 3:1 | | | | | | | | | | | |
| Inverter Overload | 110% for 1 hour; 125% for 10 mins ;150% for 1 min; >150% for 200 ms | | | | | | | | | | | |
| Battery | | | | | | | | | | | | |
| Voltage | ±240Vdc | | | | | | | | | | | |
| Battery Number | 40pcs (Settable: even number from 32 to 44) | | | | | | | | | | | |
| Voltage Precision | ±1% | | | | | | | | | | | |
| Charge power | up to 20% * Output active power | | | | | | | | | | | |
| Battery Cold Start | Optional | | | | | | Standard | | | | | |
| System | | | | | | | | | | | | |
| Efficiency | AC Mode | 95% | 96% | 95% | 96% | 95% | 96% | | | | | |
| | ECO Mode | 99% | | | | | | | | | | |
| | Battery Mode | 95% | 96% | 95% | 96% | 95% | 96% | | | | | |
| Display | 10.4" touch screen LCD + LED + keyboard | | | | | | | | | | | |
| IP Class | IP20 | | | | | | | | | | | |
| Interface | RS232,RS485, Programmable Dry Contact, USB | | | | | | | | | | | |
| Option | SNMP Card, Parallel kit, SPD, LBS, Dust filter | | | | | | | | | | | |
| Temperature | Operation: 0~40°C Storage: -40 ~70 °C | | | | | | | | | | | |
| Relative Humidity | 0 ~95% Non-condensing | | | | | | | | | | | |
| Altitude | <1000m. Within 1000m to 2000m, power derate 1% for every 100m rise | | | | | | | | | | | |
| Noise (1 meter) | 65dB @ 100% load, 62dB @ 45% load | | | | | | | | | | | |
| Applicable Standards | Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 | | | | | | | | | | | |
| Physical | | | | | | | | | | | | |
| Weight (kg) | 170 | 210 | 231 | 210 | 266 | 305 | 350 | 445 | 490 | 810 | 900 | |
| Dimensions W*D*H (mm) | 600*980 *950 | 600*980 *1150 | 600*980 *1400 | 600*980 *1150 | 600*980 *1400 | 650*960 *1600 | 650*960 *1600 | 650*970 *2000 | 650*970 *2000 | 1300*1100 *2000 | 1300*1100 *2000 | |

