

DT33 Series Tower Online UPS  
10-30kVA (200V/208V/220V)

DT33 series UPS applies advanced technology that increases performance and reliability: two high speed DSPs with completed digital control to ensure high quality of power supply, high input power factor and low input current distortion.



Application

- IDC (Internet Data center), ISP, Computer Room, Service Center
- Precision instruments, Intelligent equipments

Features

- High efficiency, up to 94%
- High input PF > 0.99; Input current THDi < 4%
- Multi-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
- Four circuit breakers, providing full protection when fault happens
- Battery cold start
- Battery management with smart charging control, greatly extend the battery life
- Parallel up to 8 units
- Friendly operation interface, high-resolution LCD screen

Specification

| MODEL                 |         | DT33010XS                                                                                               | DT33020XS                                                                           | DT33030XS    |
|-----------------------|---------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------|
|                       |         | DT33010XL                                                                                               | DT33020XL                                                                           | DT33030XL    |
| Capacity              |         | 10kVA                                                                                                   | 20kVA                                                                               | 30kVA        |
| INPUT                 |         |                                                                                                         |                                                                                     |              |
| Phase                 |         | 3 Phase + Neutral + Ground, 208V/220V (line-line)                                                       |                                                                                     |              |
| Voltage range         |         | 187-261Vac (line-line), full load;<br>187-125Vac (line-line), load derated linearly                     | 166-261Vac (line-line), full load;<br>166-125Vac (line-line), load derated linearly |              |
| Frequency range       |         | 40Hz-70Hz                                                                                               |                                                                                     |              |
| THDi                  |         | <5% (linear load)                                                                                       | <4% (linear load)                                                                   |              |
| Power factor          |         | >0.99                                                                                                   |                                                                                     |              |
| OUTPUT                |         |                                                                                                         |                                                                                     |              |
| Voltage               |         | 208V/220V (line-line)                                                                                   |                                                                                     |              |
| Voltage regulation    |         | ±1% for balance load; ±1.5% for unbalance load                                                          |                                                                                     |              |
| THDu                  |         | <1.5% (linear load), < 6% (non-linear load)                                                             |                                                                                     |              |
| Power factor          |         | 1                                                                                                       | 0.9                                                                                 |              |
| Frequency range       |         | 50/60Hz                                                                                                 |                                                                                     |              |
| Frequency precision   |         | 0.1%                                                                                                    |                                                                                     |              |
| Overload capability   |         | 110% for 10 min; 125% for 1 min;<br>150% for 30 s; >150% for 200ms                                      | 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                |         |                                                                                                         |                                                                                     |              |
| System efficiency     | Normal  | 93%                                                                                                     | 94%                                                                                 |              |
|                       | Battery | 92.5%                                                                                                   | 93%                                                                                 |              |
| Display               |         | LCD + LED + Keyboard                                                                                    |                                                                                     |              |
| IP class              |         | IP20                                                                                                    |                                                                                     |              |
| Interface             |         | Standard: RS232, RS485, Dual input kit;<br>Option: SNMP, Dry contacts, Parallel kit, Battery cold start |                                                                                     |              |
| Operation temperature |         | 0-40°C                                                                                                  |                                                                                     |              |
| Relative humidity     |         | 0-95% (non-condensing)                                                                                  |                                                                                     |              |
| Noise                 |         | 58dB @ 100% load,<br>52dB @ 45% load (1 meter away)                                                     | 70dB @ 100% load, 62dB @ 45% load (1 meter away)                                    |              |
| PHYSICAL              |         |                                                                                                         |                                                                                     |              |
| Weight (kg)           |         | 51.5                                                                                                    | 140                                                                                 | 140          |
|                       |         | 31                                                                                                      | 64                                                                                  | 64           |
| Dimension(W*D*H)(mm)  |         | 250*840*715                                                                                             | 500*840*1400                                                                        | 500*840*1400 |
|                       |         | 250*660*530                                                                                             | 250*950*770                                                                         | 250*950*770  |