

VCP Series Tower Online UPS 10-40kVA (380V/400V/415V)

VCP 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
- High input PF
- 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
- 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 | | VCP100XS | VCP150XS | VCP200XS | VCP300XS | VCP400XS |
|-----------------|------------------------|------------------------------------------------------------------------------------|----------|----------|----------|----------|
| | | VCP100XL | VCP150XL | VCP200XL | VCP300XL | VCP400XL |
| System Capacity | | 10kVA | 15kVA | 20kVA | 30kVA | 40kVA |
| Input | Dual Input | Standard | | | | |
| | Phase | 3 Phase+Neutral+Ground, 380V/400V/415V(line-line) | | | | |
| | Input Voltage Range | 304~478Vac (line-line),full load; | | | | |
| | Rate Frequency | 228V~304Vac (line-line),load decreases linearly according to the min phase voltage | | | | |
| | Input Frequency Range | 50/60Hz | | | | |
| | Input PF | 40Hz ~ 70Hz | | | | |
| Bypass | Input THDi | 1 | | | | |
| | Rate Voltage | <4% (100% Linear load) | | | | |
| | Rate Frequency | <3% (100% Linear load) | | | | |
| | Input Voltage Range | 380/400/415Vac (line-line) | | | | |
| | Bypass Frequency Range | Settable, -40%~+25% | | | | |
| | Bypass Overload | Settable, ±1Hz, ±3Hz, ±5Hz | | | | |
| Output | Rate Voltage | 125% long term operation; 130% for 10 mins; 150% for 1 min | | | | |
| | Voltage Regulation | 380/400/415Vac (line-line) | | | | |
| | Rate Frequency | 1% for balance load; 1.5% for unbalance load | | | | |
| | Frequency Precision | 50/60Hz | | | | |
| | Output PF | 0.05% | | | | |
| | Output THDu | 1 | | | | |
| Battery | Crest Factor | <1% , Linear load; <5.5%, Non-linear load | | | | |
| | Inverter Overload | 3:1 | | | | |
| | Voltage | 110% for 1 hour; 125% for 10 mins; 150% for 1 min; >150% for 200 ms | | | | |
| | Battery Number | ±240Vdc | | | | |
| | Voltage Precision | 40pcs (Settable: even number from 32 to 44) | | | | |
| | Charge Power | ±1% | | | | |
| System | Battery Cold Start | up to 20% * Output active power | | | | |
| | Efficiency | Optional | | | | |
| | AC Mode | 95,00% | | | | |
| | ECO Mode | 99,00% | | | | |
| | Battery Mode | 95,00% | | | | |
| | Display | 99,00% | | | | |
| Physical | IP Class | LCD + LED + keyboard | | | | |
| | Interface | IP 20 | | | | |
| | Option | RS232,RS485 | | | | |
| | Altitude | SNMP Card, Parallel kit, USB, Programmable Dry Contact | | | | |
| | Temperature | Operation: 0~40 °C Storge: -40~70 °C | | | | |
| | Relative | 0~95% Non-condensing | | | | |
| Physical | Noise (1 meter) | <1000m. Within 1000m to 2000m, 1% power derating for every 100m rise | | | | |
| | Applicable Standards | 55dB @ 50% load | | | | |
| | Weight (kg) | Safety: IEC/EN 62040-1 EMC: IEC/EN 62040-2 Performance: IEC/EN 62040-3 | | | | |
| | Dimension W*D*H (mm) | 51.5 | | | | |
| | | 31 | | | | |
| | | 250*840*715 | | | | |