

TEOS 400 TOWER



10 kVA - 60 kVA OnLine UPS

TEOS 400 tower series USP is a modern and high-performance uninterruptible power supply solution, ideal for critical applications at loads from 10 to 60kVA.

It integrates a dual DSP core with three-layer technology, offering up to 98% efficiency (ECO mode) and an output power factor of 1.0.

It features APFC (Active Power Factor Correction) mode for up to 0.99 input and a dual-input design with independent bypass for increased reliability. It supports flexible battery configuration (32–40 pcs), intelligent battery management, as well as cold start.

It features zero switching time, a 5" digital touchscreen, silent fan operation, and a compact design. It integrates multiple communication options (RS232, USB, RS485, SNMP, Wi-Fi, GPRS) and comes with powerful management and monitoring software.

It is ideal for professional environments and industrial applications with increased requirements for continuous and constant power delivery, such as Data centers, Industrial Installations, Critical systems.



3 phase in / 3 phase out

ENHANCED POWER PROTECTION



TELECOM



BUILDING POWER
INFRASTRUCTURE



CRITICAL
LOADS



HEAVY
INDUSTRY



DATA
CENTERS



TRANSPORT
INFRASTRUCTURE



HOSPITALS

FEATURES

- Advanced dual-core DSP control technology and 3-level technology
- Active power factor correction (APFC), input power factor up to 0.99
- System efficiency is improved to 96%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range
- 50/60Hz auto-sensing frequency
- 50/60Hz frequency conversion mode
- Work efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Flexible battery configuration setting, selectable battery numbers: 32~40 pcs
- Digitally controlled charger
- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- Compact internal layout, small footprint
- 5 inches LCD colorful touch screen, friendly human & machine interface
- Powerful background software for parameters configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, Wi-Fi card and GPRS card
- Linear derating in low voltage input, reducing battery discharging times, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, USB, RS485, EPO, Dry contacts, Parallel port
Optional SNMP card, Wi-Fi card, GPRS card, SMS alarms

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10 kVA - 60 kVA

MODEL	3310XLT20, 3310XLT40, 3310XLT80	3320XLT40, 3320XLT80	3330XLT60, 3330XLT80	3340XLT80	3360XLT
Power rating	10kVA/10kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
Tescom Codes	UPS.0829, UPS.0983, UPS.0931	UPS.0830, UPS.0936	UPS.0831, UPS.0937	UPS.0913	UPS.0910
INPUT					
Phase	3:3				
Rated voltage	380/400/415Vac (3Φ + N + PE)				
Voltage range	304~478Vac, full load 228V~304Vac, load decrease linearly according to the min phase voltage				
Rated frequency	50/60Hz				
Frequency range	40~70 Hz				
Power factor	> 0.99				
Bypass voltage range	Selectable, default -20%~+15% Up limited: +10%, +15%, +20%, +25%; Down limited: -10%, -15%, -20%, -30%, -40%				
Bypass frequency range	Selectable, ±1Hz, ±3Hz, ±5Hz				
Input current THDi	<3% (linear load)				
Bypass overload	125%: long term operation; 125%~130%: 10min; 130%~150%: 1min; 150%~400%: 1s; >400%, less than 200ms				
OUTPUT					
Rated voltage	380/400/415Vac (3Φ + N + PE)				
Voltage precision	±1% (linear load)				
Frequency	Synchronized with utility in mains mode, 50/60Hz±0.1% in battery mode				
Waveform	Sinusoidal				
Power factor	1				
Total harmonic distortion (THDv)	<1% (full linear load); <3% (full non-linear load according to IEC/EN62040-3)				
Crest factor	3:1				
Overload	<110%, 60min; 110%~125%,10min; 125%~150%,1min; >150%, 200ms				
BATTERIES					
DC voltage	Long time model: ±240VDC(selectable, 32-40pcs)				
Space for internal batteries **Batteries not included	20 - 40 - 80	40 - 80	60 - 80	80	-
Charging current	10 A max.		15A max.		20A max.
Charger voltage precision	1%				
SYSTEM					
Display	5 inch touch screen				
Efficiency	95% Max			96% Max	
Transfer time	0 ms				
Interface	Standard:RS232, RS485, USB, Battery cold start Option:Programmable dry contact,SNMP,Parallel kit				
ENVIRONMENT					
Operating temperature	0°C ~ 40°C				
Storage temperature	-40°C~70°C				
Relative humidity	0 ~ 95% (non condensing)				
Noise level at 1m	58dB max.			62dB max.	
Altitude	<1000m, load derated 1% per 100m from 1000 ~ 2000m				
OTHERS					
Dimensions(WxDxH) (mm) per model	250x720x560 (XLT20), 250x760x700 (XLT40), 350x770x1084.5(XLT80)	250x800x700 (XLT40), 350x770x1084.5(XLT80)	250x840x930(XLT60), 350x809.5x1084.5(XLT80)	350x800x1280(XLT80)	250x790x560(XL)
Packaged dimensions(WxDxH) (mm)	350x800x722 (XLT20), 330x870x742 (XLT40), 425 x 848 x 1130 (XLT80)	350x900x862 (XLT40), 425 x 848 x 1130 (XLT80)	350x950x1102 (XLT60), 425 x 885 x 1130 (XLT80)	450x900x1400 (XLT80)	350x850x818(XL)
Net weight(kg) without batteries	32kg (XLT20), 31kg (XLT40), 52kg (XLT80)	45kg (XLT40), 90kg (XLT80)	65kg (XLT60), 97kg (XLT80)	100kg (XLT80)	48kg (XL)
Gross weight(kg) without batteries	43kg (XLT20), 42kg (XLT40), 63kg (XLT80)	56kg (XLT40), 102kg (XLT80)	77kg (XLT60), 110kg (XLT80)	110kg (XLT80)	58kg (XL)

1.XL is long run model. 2.XLT20, XLT40, XLT80 means XL model with internal space for max 20, 40, 80 batteries 12V 9Ah, accordingly. 3.Specifications included in any model above are subject to change without notice