•DATA CENTER• •TRANSPORT• •HOME & OFFICE• •MALLS•

TEOS+ 300

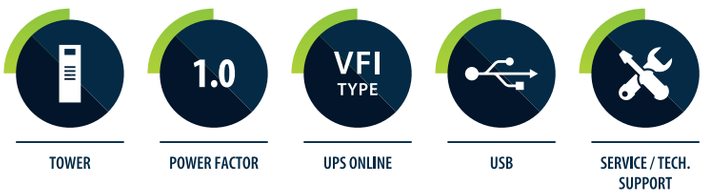
UNINTERRUPTIBLE POWER SUPPLIES

10-60kVA

3 PHASE IN / 3 PHASE OUT

- 5 INCHES LCD COLORFUL TOUCHSCREEN
- OUTPUT POWER FACTOR (PF) 1.0
- DSP TECHNOLOGY





TEOS+ 300 Online UPS is a DSP controlled uninterruptible power supply designed as 3-level with true double conversion technology. It stands out with its high output power factor (PF:1) and input power factor correction, high charging current power and maximum efficiency design. It is especially preferred for use in home-office applications and data centers. It offers flexibility of use with its prominent features such as color and touch screen, frequency converter mode, wide voltage/frequency range, high charging current capacity and multiple communication options.

GENERAL SPECIFICATIONS

- 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 95%, 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 / 60 Hz auto-sensing frequency
- 50 / 60 Hz 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
- Digitally controlled charger (Max.10 A & 20% output power)
- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Flexible battery configuration setting, selectable battery numbers: 32~ 40 pcs
- Compact internal layout, small footprint
- Zero switching time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- 5 inches LCD colorful touch screen, friendly human & machine interface
- 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
- Powerful background software for parameters configuration and online upgrade

TECHNICAL SPECIFICATIONS

MODEL	Teos+ 310/310XL	Teos+ 315/315XL	Teos+ 320/320XL	Teos+ 330/330XL	Teos+ 340/340XL	Teos+ 360XL
Capacity	10kVA / 10kW	15kVA / 15kW	20kVA / 20kW	30kVA / 30kW	40kVA/40kW	60kVA/60kW
INPUT						
Rated voltage	220/230/240Vac (L-N) 380/400/415Vac (3Φ + N + PE)					
Input voltage range	132~275Vac (L-N) 228~478Vac (3Φ + N + PE)					
Rated frequency	50~60Hz					
Frequency range	40~70Hz					
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					
THDi	< 1%(linear load), < 3% (nonlinear load)					
Bypass overload	125%: Long term operation; 125%~130%: 10min; 130%~150%: 1min; 150%~400%: 1s; >400%, less than 200ms					
OUTPUT						
Rated voltage	220/230/240Vac (L-N) 380/400/415Vac (3Φ + N + PE)					
Voltage precision	±1% (linear load)					
Frequency	Synchronized with utility in mains mode, 50/60 Hz ±0.1% in battery mode					
Waveform	Sinusoidal					
Power factor	1.0					
Voltage THD	< 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						
XL - External battery (Long time model)	±240VDC (selectable, 32-40pcs)					
Standard model battery voltage	(10+10) x 9AH	(20+20) x 7AH	(20+20) x 9AH	(15+15) x 9AH x 2 strings	(20+20) x 9AH x 2 strings	/
Charging current	10A max.				15A max.	20A max.
Charger voltage precision	1%					
SYSTEM						
Standards	EN50091-1-1/IEC62040-1-1, EN50091-2/IEC62040-2, EN50091-3/IEC62040-3					
Display	5 inch touch screen					
Efficiency	95% max.				96% max.	
Transfer time	0ms					
Max. number of parallel connections	4					
Interface	**Standard:** RS232, RS485, USB, Battery cold start, Programmable dry contact **Option:** SNMP, Parallel kit					
ENVIRONMENT						
Operating temperature	0°C - 40°C					
Storage temperature	40°C - 70°C					
Relative humidity	0-95% max. (non-condensing)					
Altitude	< 1000m, Load derated 1% per 100m from 1000 ~ 2000m					
Noise level @ 1m	58dB max.			62dB max.		
Dimensions (HxWxD) (mm)	560x250x720 (S) 560x250x720 (XL)	700x250x800 (S) 560x250x720 (XL)		930x250x840 (S) 650x250x840 (XL)	1280x350x800 (S) 560x250x720 (XL)	560x250x790 (XL)
Packaged dimensions (HxWxD) (mm)	722x350x800 (S) 718x350x800 (XL)	862x350x800 (S) 718x350x800 (XL)		1102x350x950 (S) 810x350x980 (XL)	1400x450x900 (S) 718x350x800 (XL)	818x350x850 (XL)
Net weight (kg)	82 (S) 31 (XL)	131 (S) 33 (XL)	145 (S) 33 (XL)	215 (S) 42 (XL)	300 (S) 42 (XL)	48 (XL)
Gross weight (kg)	93 (S) 40 (XL)	142 (S) 42 (XL)	156 (S) 42 (XL)	227 (S) 52 (XL)	310 (S) 52 (XL)	58 (XL)

• S means standard model, XL means long time model.