•INDUSTRY• •MEDICAL• •DATA CENTER• •TRANSPORT• •MALLS•

TEOS+ 300

UNINTERRUPTIBLE POWER SUPPLIES

80-200kVA

3 PHASE IN / 3 PHASE OUT

- 5&7 INCHES LCD COLORFUL TOUCHSCREEN
- OUTPUT POWER FACTOR (PF) 1.0
- DSP TECHNOLOGY





TOWER | POWER FACTOR | UPS ONLINE | USB | SERVICE / TECH. SUPPORT

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 industrial process control 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

- High frequency on-line double conversion technology
- Advanced dual-core DSP control technology and 3-level technology
- Active Power Factor Correction Technology, input power factor up to 0.99
- System efficiency 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
- 50Hz/60Hz auto-sensing frequency
- 50Hz/60Hz frequency conversion mode
- Working efficiency up to 98.5% 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 number: 32~40 pcs
- Digitally controlled charger (Max.60 A)
- 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
- Selectable size LCD colorful touch screen (5 inches and 7 inches), 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 and SMS alarms
- Automatic dust removal function, reduce the risk of PCB corrosion

TECHNICAL SPECIFICATIONS

MODEL	Teos+ 380XL	Teos+ 3100XL	Teos+ 3120XL	Teos+ 3160XL	Teos+ 3200XL
Capacity	80kVA / 80kW	100kVA / 100kW	120kVA / 120kW	160kVA / 160kW	200kVA/200kW
INPUT					
Rated voltage	380/400/415Vac (3Φ + N + PE)				
Input voltage range	304~478Vac, full load 228V~304Vac, load decrease linearly according to the min phase voltage				
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	< 3%(linear load)				
Bypass overload	125% long term operation; 125%~130%, 10min; 130%~150%, 1min; 150%~400%, 1s; > 400%,< 200ms				
OUTPUT					
Rated inverter voltage	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					
Long run model battery voltage	± 240VDC(selectable, 32~40pcs)				
Charger current	30A	40A		60A	
Charger voltage precision	< 1%				
SYSTEM					
Standards	EN50091-1-1/IEC62040-1-1, EN50091-2/IEC62040-2, EN50091-3/IEC62040-3				
Display	Default: 5 inch touch screen			Default: 7 inch touch screen	
Efficiency	96%				
Transfer time	0ms				
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	< 70dB				
Dimensions (HxWxD) (mm)	1200x360x800	1200x360x850		1250x440x850	
Packaged dimensions (HxWxD) (mm)	1350x450x870	1350x450x940		1410x530x940	
Net weight (kg)	152	156	160	194	200
Gross weight (kg)	172	180	180	214	220