TEOS 300

10-80kVA

Output Power Factor (PF) 1.0

DSP Technology

Split By-pass



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

TEOS 300 Online UPS is an uninterruptible power supply that guarantees high performance with its true double conversion technology and DSP controlled processor (Digital Signal Processor). Thanks to its silent operation, it is especially preferred for use in home-office applications. It offers flexibility of use with its prominent features such as frequency converter mode, wide voltage/frequency range and multiple communication options. Long backup time with powerful charger option, touchscreen graphic panel application, splitt dual input, voice and speaking notifications are the features that differentiate the product.

GENERAL SPECIFICATIONS

- DSP technology guarantees high performance
- Output power factor 1.0
- Active power factor correction in all phases
- Dual Inputs
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Emergency power off function (EPO)
- Adjustable charging current
- IGBT rectifier and EMI/RFI filtering feature
- Very powerful charger
- Optional parallel operation with common battery
- High overload capability
- Adjustable battery design
- Optional 4.3"touch LCD

TECHNICAL SPECIFICATIONS

MODEL		Teos 310	Teos 320	Teos 330	Teos 340	Teos 360	Teos 380
Phase		3 phase in / 3 phase out					
Capacity		10kVA / 10kW	20kVA / 20kW	30kVA / 30kW	40kVA / 40kW	60kVA / 60kW	80kVA / 80kW
Parallel capability		up to 4 units in parallel					
INPUT							
Nominal voltage		3x400VAC (3P+N)					
Input voltage range		110-300VAC ±3% @ 50% load 176-276VAC ±3% @ 100% load					
Frequency range		40~70Hz					
Harmonic distortion		≤ 4 % THD (100% Linear Load)					
Power factor		≥ 0.99 @ 100% load					
OUTPUT							
Voltage		3 x 360/380/400/415 VAC (3P+N)					
AC Voltage regulation		± 1% (batt.mode)					
Frequency range (synchronized range)		46~54Hz or 56~64Hz					
Frequency range (batt. mode)		50Hz ± 0.1Hz or 60Hz ± 0.1Hz					
Crest factor		3:1					
Harmonic distortion		≤ 2 % THD (Linear Load) ≤ 5 % THD (Non-linear load)					
Transfer time	AC mode to batt. mode	Zero					
	Inverter to bypass	Zero					
Waveform (batt. mode)		Pure sinewave					
Overload	AC mode	100-110% for 60 min,110-125%for 10 min, 125%~150% 1 min, >150%immediately					
	Battery mode	100-110% for 60 min,110-125%for 10 min, 125%~150% 1 min, >150%immediately					
BYPASS							
Nominal voltage		3 x 360/380/400/415 VAC (3P+N)					
Voltage range		%-30~+20% (Adjustable)					
Frequency range (synchronized range)		46~54Hz or 56~64Hz					
Overload		>%130 1 minute (default); continuosly working until breaker protection (optional)					
EFFICIENCY							
AC mode		95.5%					
Eco mode		98.5%					
Battery mode		94.5%					
BATTERIES							
Battery type		Depends on the application					
Number of batteries		20 pcs internal	32 pcs (can be extended with external cabinet)	32-40 pcs (adjustable)			
Charge current (max.)		1-12A (adjustable)				2-24A (adjustable)	
Charging voltage		± 136.5 VDC ±%10	± 218 VDC ± %10	±13.65VxN (N = 16~20)			
INDICATORS							
LCD panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions					
PHYSICAL							
Dimension HxWxD (mm)		630x250x826		1000x300x815		1010x360x790	
Net weight (kg)		124 (with internal batt.)	139 (with internal batt.)	60	61	108	113
ENVIRONMENT							
Operating temperature		0ºC - 40ºC					
Operating humidity		< 95% (non-condensing)					
Acoustic noise		< 60dBA @ 1 Meter	< 63dBA @ 1 Meter	< 65dBA @ 1 Meter	< 70dBA @ 1 Meter		< 75dBA @ 1 Meter
MANAGEMENT							
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, 7/8, Linux and MAC					
Optional SNMP		Power management from SNMP manager and web browser					

(*) If the output voltage is set to 3x360 VAC, the output power of the unit will be reduced to 90%