

## 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



## 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
- 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
Power (kVA)	100	120	160	200	250	300
Phase	10kVA / 10kW	20kVA / 20kW	30kVA / 30kW	40kVA / 40kW	60kVA / 60kW	80kVA / 80kW
Parallel capability	up to 4 units in parallel					
<b>INPUT</b>						
Nominal voltage	3x400VAC (3P+N)					
Input voltage range	190-520VAC (3-Phase) @ 50% load 305-478 VAC (3-phase) @ 100% load					
Frequency range	46~54Hz or 56~64Hz					
Power factor	≥ 0.99 @ 100% load					
<b>OUTPUT</b>						
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					
Frequency tolerance	3:1 (max.)					
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, >150% for immediately				
	Battery mode					
<b>EFFICIENCY</b>						
AC mode	95.5%					
Eco mode	98.5%					
Battery mode	94.5%					
<b>BATTERIES</b>						
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.)	± 136.5 VDC ± %10	± 218 VDC ± %10	±13.65VxN (N = 16~20)			
<b>INDICATORS</b>						
LCD panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions					
<b>PHYSICAL</b>						
Dimension HxWxD (mm)	630x250x826		1000x300x815		1010x360x790	
Net weight (kg)	124 (with internal batt.)	139 (with internal batt.)	60	61	108	113
<b>ENVIRONMENT</b>						
Operating temperature	0°C - 40°C					
Operating humidity	< 95% and non-condensing					
Acoustic noise	90% max. (non-condensing)					
Altitude	< 1000m above sea level					
Acoustic noise	< 62dBA		< 65 dBA			< 67 dBA
Weight (kg)	< 60dBA @ 1 Meter	< 63dBA @ 1 Meter	< 65dBA @ 1 Meter	< 70dBA @ 1 Meter	< 75dBA @ 1 Meter	
<b>MANAGEMENT</b>						
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%						