



10 - 20 kVA

TEOS 300 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

3 phase in / 3 phase out

GENERAL SPECIFICATIONS

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 1.0
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving
- Customized dual-mains inputs
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers, 12A battery charger
- Maintenance bypass available
- Optional parallel redundancy
- Optional isolation transformer offers full isolation and complete common mode noise rejection





10 - 20 kVA

TECHNICAL SPECIFICATIONS

MODEL		Teos 310	Teos 320
Phase		3 phase in / 3 phase out	
Capacity		10kVA / 10kW	20kVA / 20kW
INPUT			
Nominal voltage		3x400VAC (3Ph+N)	
Input voltage range		190-520VAC (3-Phase) @ 50% load 305-478 VAC (3-phase) @ 100% load	
Frequency range		46~54 Hz or 56~64Hz	
Power factor		≥ 0.99 @ 100% load	
OUTPUT			
Output voltage		3 x 400 VAC (3Ph+N)	
AC Voltage regulation		± 1% (batt. mode)	
Frequency range		46~54Hz or 56~64Hz (synchronized range)	
Frequency range		50Hz ± 0.1Hz or 60Hz ± 0.1Hz (batt. mode)	
Current crest ratio		3:1 (max)	
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	
EFFICIENCY			
AC mode		99.5%	
Eco Mode		98.5%	
Battery mode		94.5%	
BATTERY			
Battery type		12V / 9AH	
Numbers		20 pcs	32 pcs(default, 40pcs adjustable)
Typical recharge time		9 hours recover to 90% capacity	
Charging current (max.)		1A-12A adjustable	
Charging voltage		136.5 VDC ± 1%	
INDICATORS			
LCD panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM			
Battery mode		Sounding every 4 seconds	
Low battery		Sounding every second	
Overload		Sounding twice every second	
Fault		Continuously sounding	
PHYSICAL			
Dimension HxWxD (mm)		626x250x750	
Net Weight (kg)		124	139
ENVIRONMENT			
Operating humidity		0-95% RH @ 0-40°C (non-condensing)	
Acoustic noise		< 55dBA @ 1 Meter	< 58dBA @ 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	