



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 0.9
- 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
- Maintenance bypass available
- Optional N+X parallel redundancy
- Optional isolation transformer offers full isolation and complete common mode noise rejection





10 - 20 kVA

## TECHNICAL SPECIFICATIONS



MODEL		Teos 310	Teos 315	Teos 320
Phase		3 phase in / 3 phase out		
Capacity		10000VA / 9000W	15000VA / 13500W	20000VA / 18000W
<b>INPUT</b>				
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		
<b>OUTPUT</b>				
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		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz (batt. mode)		
Current crest ratio		3:1 (max)		
Harmonic distortion		≤ 2 % THD (Linear Load), ≤ 5 % THD (Non-linear Load)		
Transfer Time	AC Mode to battery mode	Zero		
	Inverter to bypass	Zero		
Waveform (Batt. mode)		Pure Sinewave		
<b>EFFICIENCY</b>				
AC mode		90.5%		91.5%
Eco Mode			96.0%	
Battery mode		87.0%		88.0%
<b>BATTERY</b>				
Standard Model	Battery type	12V / 9AH		
	Numbers	16 pcs		16 pcs x 2 strings
	Typical recharge time	9 hours recover to 90% capacity		
	Charging current (max.)	1A		
Long-run Model	Charging voltage	218.4 VDC ± 1%		
	Battery type	Depending on the capacity of external batteries		
	Numbers	20 pcs (Default, 16-20 psc adjustable)		
	Charging current (max.)	4A		
Charging voltage		273 ±1% (Based on 20 pcs batteries)		
<b>INDICATORS</b>				
LCD panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions		
<b>ALARM</b>				
Battery mode		Sounding every 4 seconds		
Low battery		Sounding every second		
Overload		Sounding twice every second		
Fault		Continuously sounding		
<b>PHYSICAL</b>				
Standard Model	Dimension, HxWxD (mm)	826x250x592		
	Net Weight (kg)	96		146
Long-run Model	Dimension, HxWxD (mm)	576x250x592		
	Net Weight (kg)	32		35
<b>ENVIRONMENT</b>				
Operating humidity		0-95% RH @ 0-40°C (non-condensing)		
Acoustic noise		Less than 60dBA @ 1 Meter		Less than 65dBA @ 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		