



30 - 80 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
- 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 for long-run model
- Maintenance bypass available
- Parallel operation with common battery
- Optional parallel operation
- Optional isolation transformer offers full isolation and complete common mode noise rejection





30 - 80 kVA

TECHNICAL SPECIFICATIONS



MODEL		Teos 330	Teos 340	Teos 360	Teos 380	
Phase		3 phase in / 3 phase out				
Capacity		30kVA / 27kW	40kVA / 36kW	60kVA / 54kW	80kVA / 72kW	
Parallel capability		up to 3 units in parallel				
INPUT						
Nominal voltage		3x400VAC (3Ph+N)				
Input voltage range		190-520VAC (3-Phase) @ 50% load 305-478VAC (3-Phase) @ 100% load				
Frequency range		46-54 Hz or 56-64Hz				
Power factor		≥ 0.99 @ 100% load				
OUTPUT						
Output voltage		3 x 360/380/400/415 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) ≤ 4 % THD (Non-linear Load)				
Transfer Time	AC Mode to battery mode	Zero				
	Inverter to bypass	Zero				
Waveform (Batt. mode)		Pure Sinewave				
Overload	AC mode	100-110% for 10 min, 110-130% for 1 min, >130% for 1 second				
	Battery mode	100-110% for 30 seconds, 110-130% for 10 seconds, >130% for 1 second				
EFFICIENCY						
AC mode		95,5%				
Eco mode		97%				
Battery mode		93,5%				
BATTERY						
Standard Model	Battery type	12V / 7Ah	12V / 9Ah	N/A		
	Numbers	(16+16) pcs x 2 strings			N/A	
	Typical recharge time	9 hours recover to 90% capacity			N/A	
	Charging current (max.)	1A/2A/3A/4A (adjustable)			N/A	
	Charging voltage	± 218 VDC ± 10%			N/A	
Long-run Model	Battery type	Depending on the capacity of external batteries				
	Numbers	32-40 pcs (adjustable)				
	Charging current (max.)	1A/2A/3A/4A (adjustable)		2A/4A/6A/8A (adjustable)		
	Charging voltage	Parallelable up to 3 charger boards to reach 12A maximum		Parallelable up to 3 sets of dual charger boards to reach 24A maximum		
±13.65VxN (N = 16-20)						
INDICATORS						
LCD panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
PHYSICAL						
Standard Model	Dimension, HxWxD (mm)	1000x300x815			N/A	
	Net Weight (kg)	225	250	N/A		
Long-run Model	Dimension, HxWxD (mm)	1000x300x815			1010x360x790	
	Net Weight (kg)	60	61	108	113	
ENVIRONMENT						
Operating temperature		0-40°C				
Operating humidity		< 95% and non-condensing				
Acoustic noise		Less than 60dB @ 1 Meter	Less than 70dB @ 1 Meter		Less than 75dB @ 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				