

TEOS 100 XL

1-10kVA

Long Time Backup Option

True Double-Conversion

Microprocessor Control



GENERAL SPECIFICATIONS

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Wide input voltage
- Converter mode available
- ECO mode for energy saving (Only available for 1-3kVA models)
- Generator compatible
- Adjustable battery numbers only available for 6/10kVA models
- Adjustable charging current via LCD or software (1A~ 6A) only available for 6/10kVA models
- Emergency power off (EPO) function is only available for 6/10kVA models
- Comprehensive display allows easy monitoring and access to UPS status

TECHNICAL SPECIFICATIONS

MODEL	Teos 1000 XL		Teos 2000 XL		Teos 3000 XL		Teos 106 XL		Teos 110 XL	
Phase	Single phase with ground									
Capacity	1000VA / 800W		2000VA / 1600W		3000VA / 2400W		6000VA / 5400W		10000VA / 9000W	
INPUT										
Nominal voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC						208/220/230/240VAC			
Voltage range	60-150 VAC or 120-300 VAC (Based on load at 50%) 90-140 VAC or 180-280 VAC (Based on load at 100%)						110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)			
Frequency range	40Hz ~ 70Hz						46~54Hz or 56~64Hz			
Power factor	≥ 0.99 @ Nominal voltage (100% load)									
OUTPUT										
Power factor	0.8						0.9			
Voltage	100/110/115/120/127 VAC or 200/208/220/230/240 VAC						208/220/230/240 VAC			
Voltage regulation	± 1%									
Frequency range (synchronized range)	47~ 53Hz or 57 ~ 63Hz						46~54Hz or 56~64Hz			
Frequency range (batt. mode)	50Hz or 60Hz ± 0.5%						50Hz or 60Hz ± 0.1Hz			
Crest factor	3:1 (max.)									
Voltage THD	≤ 3% THD (linear load), ≤ 6% THD (non-linear load)						≤ %3 THD (linear load), ≤ %5 THD (non-linear load)			
Transfer time	AC mode - batt mode									
	Zero									
Transfer time	Inverter - bypass						Zero			
	4ms						Zero			
Waveform (batt. mode)	Pure Sinewave									
EFFICIENCY										
AC Mode	88%		89%		90%		92%		93%	
Akü Mode	83%		85%		88%		90%		91%	
BATTERIES										
Battery type	Depending on applications									
Numbers	2		4		6		16-20 (adjustable)			
Typical recharge time	4 hour recover to 90% capacity						9 hour recover to 90% capacity			
Charging current (max.)	1A/2A/4A/6A (adjustable)						1A/2A/4A/6A (adjustable, only for 6A 16 pcs batt. configuration)			
Charging voltage	27.4VDC ± 1%	41.9VDC ± 1%	54.7VDC ± 1%	82.1VDC ± 1%	109.4VDC ± 1%	82.1 VDC ± 1%	109.4 VDC ± 1%	273 VDC ± 1% (according to 20 batt.-powered configuration)		
INDICATORS										
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode and Fault indicators									
ALARM										
Battery mode	Sounding every 4 seconds									
Low battery	Sounding every second									
Overload	Sounding twice every second									
Fault	Continuously sounding									
PHYSICAL										
Dimension HxWxD (mm)	220x145x282		220x145x397		318x190x421		318x190x369		318x190x442	
Net weight (kg)	4.1		6.8		7.4		12		16	
ENVIRONMENT										
Humidity	%20-90 RH @ 0- 40°C (non-condensing)						%0-95 RH @ 0-40°C (non-condensing)			
Acoustic noise	< 50dBA @ 1 metre						< 55dBA @ 1 metre		< 58dBA @ 1 metre	
MANAGEMENT										
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC									
Optional SNMP	Power management from SNMP manager and web browser									