



1 - 10 kVA

TEOS 100 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

1 phase in / 1 phase out

GENERAL SPECIFICATIONS

- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.9
- 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





1 - 10 kVA

TECHNICAL SPECIFICATIONS

MODEL		Teos 1000	Teos 2000	Teos 3000	Teos 106	Teos 110		
Phase		Single phase with ground						
Capacity		1000VA / 900W	2000VA / 1800W	3000VA / 2700W	6000VA / 5400W	10000VA / 9000W		
INPUT								
Nominal voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC			
Input voltage range		60-150VAC or 120-300VAC (Based on load at 50%) 90-140VAC or 180-280VAC (Based on load at 100%)			110-300 AC (Based on load at 50%) 176-300VAC (Based on load at 100%)			
Frequency range		40Hz ~ 70Hz			46-54Hz or 56-64Hz			
Power factor		≥ 0.99 @ Nominal Voltage (100% load)						
OUTPUT								
Output voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC			
Voltage regulation		± 1%						
Frequency range		47~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)			46-54 Hz or 56-64 Hz (Synchronized Range)			
Frequency range		50 Hz or 60Hz ± 0.5% (Batt. Mode)			50 Hz or 60Hz ± 0.1 Hz (Batt. Mode)			
Current crest ratio		3:1						
Harmonic distortion		≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)			≤ 3 % THD (Linear Load) ≤ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to battery mode	Zero						
	Inverter to bypass	4 ms (Typical)			Zero			
Waveform (Batt. mode)		Pure Sinewave						
EFFICIENCY								
AC mode		88%	89%	90%	92%	93%		
Battery mode		83%	85%	88%	90%	91%		
BATTERY								
Battery type		12V / 9AH						
Standard Model	Numbers	2	4	6	16	20	16	20
	Typical recharge time	4 hours recover to 90% capacity			9 hours recover to 90% capacity			
	Charging current (max.)	1.0 A			1A/2A (adjustable)			
	Charging voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC ±1%	273 VDC ±1%	218.4 VDC ±1%	273 VDC ±1%
Long-run Model	Battery type	Depending on the capacity of external batteries						
	Numbers	16 ~ 20 (Adjustable)						
	Charging current (max.)	1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)						
	Charging voltage	273 VDC ±1% (Based on 20pcs batteries)						
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								
Standard Model	Dimension, HxWxD (mm)	220x145x282	220x145x397	318x190x421	688x190x369	688x190x442		
	Net weight (kg)	9.8	17	27.6	61	74	66	76
Long-run Model	Dimension, HxWxD (mm)	N/A			318x190x369	318x190x442		
	Net weight (kg)	N/A			12	16		
ENVIRONMENT								
Humidity		20-90 % RH @ 0- 40°C (non-condensing)			0-95% RH @ 0-40°C (non-condensing)			
Acoustic noise		Less than 50dBA @ 1 Meter			Less than 55dBA @ 1 Meter	Less than 58dBA @ 1 Meter		
MANAGEMENT								
Smart RS-2 32/USB		Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC						
Optional SNMP		Power management from SNMP manager and web browser						