



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



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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		
<b>INPUT</b>								
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)						
<b>OUTPUT</b>								
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						
<b>EFFICIENCY</b>								
AC mode		88%	89%	90%	92%	93%		
Battery mode		83%	85%	88%	90%	91%		
<b>BATTERY</b>								
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						
	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)						
<b>INDICATORS</b>								
LCD		Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators						
<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)	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		
<b>ENVIRONMENT</b>								
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		
<b>MANAGEMENT</b>								
Smart RS-2 32/USB		Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC						
Optional		Management from SNMP manager and web browser						