

1 - 10 KVA

TEOS 100 SERIES

UNINTERRUPTIBLE POWER SUPPLIES

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



				1/4	gr.					
MODEL		Teos 1000	Teos 2000	Teos 3000	Teos	106	Teos	110		
	Phase			Single phase with groun	d					
Capacity		1000VA / 900W	2000VA /1800W	3000VA / 2700W	6000VA /	5400W	10000VA / 9000W			
	INPUT									
	Nominal voltage	100/110/115	5/120/127VAC or 200/208/22	0/230/240VAC		208/220/2	30/240VAC			
Input voltage range		60-150VAC	60-150VAC or 120-300VAC (Based on load at 50%)			110-300 AC (Based on load at 50%)				
		90-140VAC or 180-280VAC (Based on load at 100%)			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	5/120/127VAC or 200/208/22			208/220/2	30/240VAC			
	Voltage regulation			± 1%						
Frequency range		47~ 53 H	47~ 53 Hz or 57 ~ 63 Hz (Synchronized Range)			46~54 Hz or 56~64 Hz (Synchronized Range)				
Frequency range		50	50 Hz or 60Hz ± 0.5% (Batt. Mode)			50 Hz or 60Hz ± 0.1 Hz (Batt. Mode)				
	Current crest ratio		Matrician supplies on the second	3:1	-		V000 - 25			
Harmonic distortion		≤ 3 % THD (Linear Load)			≤ 3 % THD (Linear Load)					
			≤ 6 % THD (Non-linear Load)				≤ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to battery mode		Zero							
- IIIIIC	Inverter to bypass		4 ms (Typical)	Pure Sinewave		26	ero			
	Waveform (Batt. mode) EFFICIENCY			Pure Sinewave						
	AC mode	88%	89%	90%	929	6	93	06		
	Battery mode	83%	85%	88%	909		91			
	BATTERY	6370	6570	0070	907	U	91	70		
			100//000							
Standard Model	Battery type Numbers	2	4	12V / 9AH 6	16	20	16	20		
	Typical recharge time	0201	hours recover to 90% capa	17.1/	A		to 90% capacit	10.000		
	The state of the s			icity						
	Charging current (max.)		1.0 A			1A/2A (ad	djustable)			
	Charging current (max.) Charging voltage	27.4VDC ± 1%		82.1 VDC ±1%	218.4 VDC ±1%	1A/2A (ac 273 VDC ±1%	djustable) 218.4 VDC ±1%	273 VDC ±1%		
Long-run	Charging current (max.) Charging voltage Battery type		1.0 A 54.7 VDC ±1%		218.4 VDC ±1%	1A/2A (ad 273 VDC ±1% g on the capac	djustable) 218.4 VDC ±1% city of external b	273 VDC ±1%		
Long-run Model	Charging current (max.) Charging voltage Battery type Numbers		1.0 A		218.4 VDC ±1% Dependin	1A/2A (ad 273 VDC ±1% g on the capac 16 ~ 20 (A	djustable) 218.4 VDC ±1% city of external b djustable)	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.)		1.0 A 54.7 VDC ±1%		218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad	1A/2A (ad 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is c	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage		1.0 A 54.7 VDC ±1%		218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad	1A/2A (ad 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is c	djustable) 218.4 VDC ±1% city of external b djustable)	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS		1.0 A 54.7 VDC ±1% N/A	82.1 VDC ±1%	218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage		1.0 A 54.7 VDC ±1% N/A		218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD		1.0 A 54.7 VDC ±1% N/A	82.1 VDC ±1%	218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD ALARM		1.0 A 54.7 VDC ±1% N/A	82.1 VDC ±1% 82.1 VDC ±1%	218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode		1.0 A 54.7 VDC ±1% N/A	82.1 VDC ±1% AC mode, Battery mode, Byp Sounding every 4 second	218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI lass mode, and Fauls	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery		1.0 A 54.7 VDC ±1% N/A	82.1 VDC ±1% AC mode, Battery mode, Byp Sounding every 4 second Sounding every second	218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI lass mode, and Fauls	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload		1.0 A 54.7 VDC ±1% N/A	AC mode, Battery mode, Byp Sounding every 4 second Sounding every second Sounding twice every second	218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI lass mode, and Fauls	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
Model	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL		1.0 A 54.7 VDC ±1% N/A	AC mode, Battery mode, Byp Sounding every 4 second Sounding every second Sounding twice every second	218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI lass mode, and Fauls	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% city of external b djustable) only available for	273 VDC ±1% patteries		
Model	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL	27.4VDC ± 1%	1.0 A 54.7 VDC ±1% N/A Load level, Battery level,	AC mode, Battery mode, Byr Sounding every 4 second Sounding every second Sounding twice every second Continously sounding	218.4 VDC ±1% Dependin 1A/2A/4A/6A (Ad 273 VI mass mode, and Fac	1A/2A (ac 273 VDC $\pm 1\%$ g on the capac $16 \sim 20$ (A justable, 6A is c DC $\pm 1\%$ (Basec	djustable) 218.4 VDC ±1% ity of external bedjustable) only available for d on 20pcs batte	273 VDC ±1% patteries		
Model	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL Dimension, HxWxD (mm)	27.4VDC ± 1%	1.0 A 54.7 VDC ±1% N/A Load level, Battery level, 220x145x397 17	82.1 VDC ±1% AC mode, Battery mode, Bype Sounding every 4 second Sounding every second Sounding twice every second Continously sounding 318x190x421	218.4 VDC ±1%	1A/2A (ar 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is c OC ±1% (Based alt indicators	djustable) 218.4 VDC ±1% ity of external bedjustable) only available for d on 20pcs batte	273 VDC ±1% latteries l6pcs batteries) eries)		
Model Standard Model	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL Dimension, HxWxD (mm) Net weight (kg)	27.4VDC ± 1%	1.0 A 54.7 VDC ±1% N/A Load level, Battery level, 220x145x397	82.1 VDC ±1% AC mode, Battery mode, Bype Sounding every 4 second Sounding every second Sounding twice every second Continously sounding 318x190x421	218.4 VDC ±1%	1A/2A (ar 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is o DC ±1% (Based alt indicators	djustable) 218.4 VDC ±1% ity of external bedjustable) only available for d on 20pcs batte	273 VDC ±1% latteries l6pcs batteries) eries) 76 0x442		
Model Standard Model Long-run	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL Dimension, HxWxD (mm) Net weight (kg) Dimension, HxWxD (mm)	27.4VDC ± 1% 27.4VDC ± 1% 220x145x282 9.8	1.0 A 54.7 VDC ±1% N/A Load level, Battery level, 220x145x397 17 N/A	82.1 VDC ±1% AC mode, Battery mode, Bype Sounding every 4 second Sounding every second Sounding twice every second Continously sounding 318x190x421 27.6	218.4 VDC ±1%	1A/2A (ar 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is c OC ±1% (Based alt indicators	djustable) 218.4 VDC ±1% ity of external bedjustable) only available for d on 20pcs batte 688x190x442 66 318x19	273 VDC ±1% latteries l6pcs batteries) eries) 76 0x442		
Model Standard Model Long-run	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL Dimension, HxWxD (mm) Net weight (kg) Dimension, HxWxD (mm) Net weight (kg) ENVIRONMENT Humidity	27.4VDC ± 1% 220x145x282 9.8	1.0 A 54.7 VDC ±1% N/A Load level, Battery level, 220x145x397 17 N/A 0 % RH @ 0- 40°C (non-cond	82.1 VDC ±1% AC mode, Battery mode, Byg Sounding every 4 second Sounding twice every second Sounding twice every second Continously sounding 318x190x421 27.6	218.4 VDC ±1%	1A/2A (ar 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is o OC ±1% (Based alt indicators 74 0x369 2	djustable) 218.4 VDC ±1% ity of external bedjustable) only available for d on 20pcs batte 688x190x442 66 318x19 16 C (non-condens	273 VDC ±1% latteries l6pcs batteries) eries) 76 0x442 6		
Model Standard Model Long-run	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL Dimension, HxWxD (mm) Net weight (kg) Dimension, HxWxD (mm) Net weight (kg) ENVIRONMENT Humidity Acoustic noise	27.4VDC ± 1% 220x145x282 9.8	1.0 A 54.7 VDC ±1% N/A Load level, Battery level, 220x145x397 17 N/A	82.1 VDC ±1% AC mode, Battery mode, Byg Sounding every 4 second Sounding twice every second Sounding twice every second Continously sounding 318x190x421 27.6	218.4 VDC ±1%	1A/2A (ar 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is o OC ±1% (Based alt indicators 74 0x369 2	djustable) 218.4 VDC ±1% ity of external bedjustable) only available for d on 20pcs batte 688x190x442 66 318x19	273 VDC ±1% latteries l6pcs batteries) eries) 76 0x442 6		
Model Standard Model Long-run	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL Dimension, HxWxD (mm) Net weight (kg) Dimension, HxWxD (mm) Net weight (kg) ENVIRONMENT Humidity Acoustic noise MANAGEMENT	27.4VDC ± 1% 220x145x282 9.8	1.0 A 54.7 VDC ±1% N/A Load level, Battery level, 220x145x397 17 N/A 0 % RH @ 0- 40°C (non-cond Less than 50dBA @ 1 Meter	82.1 VDC ±1% AC mode, Battery mode, Bype Sounding every 4 second Sounding every second Sounding twice every second Continously sounding 318x190x421 27.6	218.4 VDC ±1%	1A/2A (ar 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is o DC ±1% (Based alt indicators 74 0x369 2 % RH @ 0-40° BA @ 1 Meter	djustable) 218.4 VDC ±1% ity of external bedjustable) only available for d on 20pcs batte 688x190x442 66 318x19 16 C (non-condens	273 VDC ±1% latteries l6pcs batteries) eries) 76 0x442 6		
Model Standard Model Long-run	Charging current (max.) Charging voltage Battery type Numbers Charging current (max.) Charging current (max.) Charging voltage INDICATORS LCD ALARM Battery mode Low battery Overload Fault PHYSICAL Dimension, HxWxD (mm) Net weight (kg) Dimension, HxWxD (mm) Net weight (kg) ENVIRONMENT Humidity Acoustic noise	27.4VDC ± 1% 220x145x282 9.8	1.0 A 54.7 VDC ±1% N/A Load level, Battery level, 220x145x397 17 N/A 0 % RH @ 0- 40°C (non-cond Less than 50dBA @ 1 Meter	82.1 VDC ±1% AC mode, Battery mode, Byg Sounding every 4 second Sounding twice every second Sounding twice every second Continously sounding 318x190x421 27.6	218.4 VDC ±1%	1A/2A (ar 273 VDC ±1% g on the capac 16 ~ 20 (A justable, 6A is o DC ±1% (Based alt indicators 74 0x369 2 % RH @ 0-40° BA @ 1 Meter	djustable) 218.4 VDC ±1% ity of external bedjustable) only available for d on 20pcs batte 688x190x442 66 318x19 16 C (non-condens	273 VDC ±1% latteries l6pcs batteries) eries) 76 0x442 6		