



1 - 10 kVA

# TEOS RT 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 range
- Converter mode available
- Generator compatible
- ECO mode for energy saving only available for 1-3KVA models
- Adjustable charging current via LCD or software (1A~6A)
- Emergency power off function (EPO) only available for 6K/10K models
- Comprehensive display allows easy monitoring and access of UPS status



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1 - 10 kVA

# TECHNICAL SPECIFICATIONS



MODEL		Teos 1RT	Teos 2RT	Teos 3RT	Teos 6RT	Teos 10RT		
Phase		Single phase with ground						
Capacity		1000 VA / 900 W	2000 VA / 1800 W	3000 VA / 2700 W	6000 VA / 5400 W	10000 VA / 9000 W		
<b>INPUT</b>								
Nominal voltage		110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC			
Input voltage range		60-145 VAC or 120-300 VAC at 50% load 90-145 VAC or 180-300 VAC at 100% load			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)			
Frequency range		40Hz ~ 70 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz			
Power factor		≥ 0.99 @ Nominal Voltage (100% load)						
<b>OUTPUT</b>								
Output voltage		110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC			
Voltage regulation		± 1%						
Frequency range (synchronized range)		47~ 53 Hz or 57 ~ 63 Hz			46Hz ~ 54 Hz or 56Hz ~ 64 Hz			
Frequency range (battery mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
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 batt. mode	Zero			0ms			
	Inverter to bypass	4 ms (Typical)			0ms			
Waveform (Batt. mode)		Pure Sinewave						
<b>EFFICIENCY</b>								
AC mode		88%	89%	90%	92%	93%		
Battery mode		83%	87%	88%	90%	91%		
<b>BATTERY</b>								
Standard Model	Battery type	12V / 9AH						
	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.)	1A			1A/2A (Adjustable)			
	Charging voltage	27.4VDC ± 1%	54.7VDC ± 1%	82.1VDC ± 1%	218.4VDC ± 1%	273VDC ± 1%	218.4 VDC ± 1%	273VDC ± 1%
Long-run Model	Battery type	Depending on applications						
	Numbers	N/A						
	Charging current (max.)	1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batt.)						
	Charging voltage	218.4 VDC ± 1% (Based on 16pcs batteries)						
<b>INDICATORS</b>								
LCD panel		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)	88x438x310	88x438x410	88x438x630	UPS Unit: [2U]88x438x500 Battery Pack: [2U]88x438x668	UPS Unit: [2U]88x438x500 Battery Pack: [3U]133x438x580	UPS Unit: [3U]133x438x580 Battery Pack: [3U]133x438x580	UPS Unit: [3U]133x438x580 Battery Pack: [3U]133x438x580
	Net Weight (kg)	12	19	29.3	UPS Unit: 15 Batt. Pack: 48	UPS Unit: 15 Batt. Pack: 61	UPS Unit: 18 Batt. Pack: 51	UPS Unit: 18 Batt. Pack: 61
Long-run Model	Dimension, HxWxD (mm)	N/A			[2U]88x438x500		[3U]133x438x580	
	Net Weight (kg)	N/A			15		18	
<b>ENVIRONMENT</b>								
Humidity		20-90 % RH @ 0- 40°C (non-condensing)			0-95 % RH @ 0- 40°C (non-condensing)			
Noise level		Less than 50dBA @ 1m			Less than 55dBA @ 1m		Less than 58dBA @ 1m	
<b>MANAGEMENT</b>								
Smart RS-232/USB		Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix, and MAC						
Optional		Management from SNMP manager and web browser						