



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 (EPO) function is only available for 6/10kVA models
- Comprehensive display allows easy monitoring and access of UPS status





1 - 10 kVA

# TECHNICAL SPECIFICATIONS

MODEL		Teos 1RT	Teos 2RT	Teos 3RT	Teos 106RT	Teos 110RT
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
INPUT						
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 ~ 64Hz	
Power factor		≥ 0.99 @ Nominal Voltage (100% load)				
OUTPUT						
Output voltage		110/115/120/127VAC or 208/220/230/240VAC			208/220/230/240VAC	
Voltage regulation		± 1%				
Frequency range (synchronized range)		47~ 53Hz or 57 ~ 63Hz			46Hz ~ 54Hz or 56Hz ~ 64Hz	
Frequency range (battery mode)		50Hz ± 0.25Hz or 60Hz ± 0.3Hz			50Hz ± 0.1Hz or 60Hz ± 0.1Hz	
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				
EFFICIENCY						
AC mode		88%	89%	90%	92%	93%
Battery mode		83%	87%	88%	90%	91%
BATTERY						
Battery type		12V / 9AH				
Numbers		2	4	6	16	20
Typical recharge time		4 hours recover to 90% capacity			9 hours recover to 90% capacity	
Charging current (max.)		1.0A			1A/2A (Adjustable)	
Charging voltage		27.4VDC ± 1%	54.7VDC ± 1%	82.1VDC ± 1%	218.4VDC ± 1%	273VDC ± 1%
INDICATORS						
LCD panel		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		Continously sounding				
PHYSICAL						
Dimension, HxWxD (mm)		88x438x310	88x438x410	88x438x630	UPS Unit: [2U]88x438x500 Battery Pack: [2U]88x438x668	UPS Unit: [2U]88x438x500 Battery Pack: [3U]133x438x580
Net Weight (kg)		12	19	29.3	UPS Unit: 15 Batt. Pack: 48	UPS Unit: 15 Batt. Pack: 61
ENVIRONMENT						
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
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				