

TEOS 300RT

10-60kVA

Output Power Factor (PF) 1.0

LCD Colorful Touchscreen

DSP Technology



1.0

POWER FACTOR



RACK

VFI
TYPE

UPS ONLINE



USB



SERVICE /
TECH. SUPPORT

GENERAL SPECIFICATIONS

- True double-conversion
- LCD screen auto-rotation with Rack position (only for 10K-40K models)
- DSP technology guarantees high performance
- Output power factor 1.0
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- Supports dual AC inputs
- Adjustable battery numbers
- Parallel operation with common battery
- Optional isolation transformer offers full isolation and complete common mode noise rejection

TECHNICAL SPECIFICATIONS

MODEL	Teos 310RT	Teos 315RT	Teos 320RT	Teos 330RT	Teos 340RT	Teos 360RT
Phase	3-phase in / 3-phase out					
Capacity	10 kVA / 10 kW	15 kVA / 15 kW	20 kVA / 20 kW	30 kVA / 30 kW	40 kVA / 40kW	60 kVA / 60kW
Parallel capability	4					
INPUT						
Nominal voltage	3 x 400 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)					
Voltage range	190-520 VAC (3-phase) @ 50% load ; 305-478 VAC (3-phase) @ 100% load					
Frequency	46~54 Hz or 56~64Hz					
Power factor	≥ 0.99 @ 100% load					
OUTPUT						
Output voltage	3 x 360*/380/400/415 VAC (3Ph+N) or 208*/220/230/240 VAC (Ph-N)				3 x 360*/380/400/415 VAC (3Ph+N)	
AC Voltage Regulation (Batt. Mode)	± 1%					
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz					
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz					
Current Crest Ratio	3:1 (max.)					
Harmonic Distortion	≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)					
Transfer Time	AC mode to Batt. mode	Zero				
	Inverter to Bypass	Zero				
Waveform (Batt. Mode)	Pure Sinewave					
Overload	AC Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately				
	Battery Mode	100-110% for 60 min, 110-125% for 10 min, 125%~150% for 1 min; >150% immediately				
EFFICIENCY						
AC Mode	95.5%					
ECO Mode	98.5%					
Battery Mode	94.5%					
BATTERY						
Battery Type	Depending on the applications					
Battery Numbers	20 pcs	32~40 pcs (Adjustable)				
Charging Current (max.)	1A~12A(Adjustable)				1A~16A (Adjustable)	1A~18A (Adjustable)
Charging Voltage	± 13.65 VDC x N (N=10)	± 13.65 VDC x N (N=16~20)				
PHYSICAL						
Dimension, HxWxD (mm)	[3U] 133x438x680					[4U] 176x438x797
Net Weight (kg)	27	30	30	32	34	45
ENVIRONMENT						
Operating Temperature	0-40°C					
Operating Humidity	< 95 % and non-condensing					
Noise Level	Less than 62dBA @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 65dB @ 1 Meter	Less than 70dB @ 1 Meter	
MANAGEMENT						
Smart RS-232/USB	Supports Windows® family, Linux and MAC					
Optional SNMP	Power management from SNMP manager and web browser					