



## Titan RT Series

### High Power Density Rack-Tower 2 in 1 Double Conversion Online UPS 1KVA - 10KVA

- DSP control true online double conversion topology
- High output power factor, 0.9
- Wide input range and input THDi < 5%
- Output voltage regulation <1% and THDv < 2%
- Built-in high efficiency (ECO) and frequency converter mode
- Extended Battery Module for additional backup time
- Turn-able LCD display for UPS monitoring & control
- Fan speed control and thermal compensation
- Full connectivity - USB / RS232 & intelligent slot
- 1+1 Parallel capability for 6KVA - 10KVA UPS
- Rack & tower 2 in 1 compact design

Titan RT 6K



Titan RT 10K



**NEUROPOWER™**

A Preferred Power Solutions Strategic Business Partner

# Titan RT Series

## Technical Specification

MODEL	Titan RT 1K/KS	Titan RT 1K5/1K5S	Titan RT 2K/KS	Titan RT 3K/KS	Titan RT 6K/KS	Titan RT 10K/KS	
PHASE	Single phase with ground						
CAPACITY	1000VA/900W	1500VA/1350W	2000VA/1800W	3000VA/2700W	6000VA/5400W	10000VA/9000W	
<b>INPUT</b>							
Voltage Range	120 - 276 VAC (depends on load level)						
Frequency Range	45 Hz ~ 55 Hz or 54 Hz ~ 66 Hz						
THDi	< 5% with full load						
Power Factor	≥ 0.99 @ 100% load						
<b>OUTPUT</b>							
Voltage Range	208 / 220 / 230 / 240 VAC						
Voltage Regulation	+/- 1%						
Frequency Range (Sync. Range)	45 Hz ~ 55 Hz or 54 Hz ~ 66 Hz						
Frequency Range (Batt. Mode)	50 / 60 Hz +/- 0.2 Hz			50 / 60 Hz +/- 0.1 Hz			
Current Crest Ratio	3 : 1						
Harmonic Distortion	≤ 2% THD (Linear load) ≤ 5% THD (Non-linear load)						
Transfer Time	AC to Battery Mode	0 ms					
	Inverter to Bypass	0 ms					
	Inverter to ECO Mode	1 ms					
	ECO to Inverter Mode	< 10 ms					
Overload Capacity (AC Mode)	102% ~ 130% : 12s			102% ~ 130% : 2 mins			
	130% ~ 150% : 1.5s			130% ~ 150% : 30s			
	> 150% : 100ms			> 150% : 100ms			
Overload Capacity (Battery Mode)	102% ~ 130% : 12s / 130% ~ 150% : 1.5s			102% ~ 130% : 10s			
	> 150% : 100ms			> 150% : 100ms			
Output Socket	(8) IEC C13			(8) IEC C13 (1) IEC C19	(6) IEC C13, (2) IEC C19 (1) Terminal	(8) IEC C19 (1) Terminal	
Output Waveform	Pure sinewave						
<b>EFFICIENCY</b>							
AC Mode	> 87%		> 89%	> 90%	> 92%	> 93%	
Batt. Mode	> 83%		> 83%	> 86%	> 89%	> 90%	
ECO Mode	> 95%		> 95%	> 95%	> 96%	> 97%	
<b>BATTERY</b>							
Standard Model	Battery Type	12V 7.2AH			12V 5AH	12V 9AH	
	Quantity	3	4	6	15	20	
	Typical Recharge Time	3 hours recover to 90% capacity					
	Charging Current (max.)	1.5A			1A	1.7A	
Extended Runtime Model	Battery Type	Depending on application					
	Quantity	3	4	6	15	20	
	Typical Recharge Time	Depending on application					
	Charging Current (max.)	6A					
<b>STATUS INDICATORS</b>							
Graphical LCD Display	Load level, battery level, battery mode, AC mode, bypass mode						
<b>AUDIBLE ALARM</b>							
Battery Mode	Beeping every 4 sec						
Battery Low	Beeping every sec						
Overload	Beeping twice every sec						
Fault	Continuous beeping						
<b>PHYSICAL</b>							
Standard Model	Dimension, WxDxH (mm)	438 x 435 x 86.5			438 x 604 x 86.5	438 x 698 x 129 (3U)	438 x 704 x 215.5 (5U)
	Net Weight (kg)	16.2	19.7	27.8	46.0	82.5	
KS Model	Dimension, WxDxH (mm)	438 x 435 x 86.5			438 x 604 x 86.5	438 x 640 x 129 (3U)	438 x 640 x 215.5 (5U)
	Net Weight (kg)	8.4	9.3	13.0	18.0	32.5	
<b>COMMUNICATIONS</b>							
Interface Port	USB, RS232, EPO & intelligent slot						
Intelligent Slot	AS400 / SNMP - optional						
EPO	Yes						
<b>POWER MANAGEMENT</b>							
Software	Winpower - Support Windows® family (NT/XP/Vista/7/8/10), Linux, Unix, Sun Solaris & MAC.						
<b>ENVIRONMENT</b>							
Operating Environment	0 - 40°C						
Humidity	0 - 95% (non-condensing)						
Noise Level	< 45 dB @ 1 Meter		< 50 dB @ 1 Meter		< 55 dB @ 1 Meter		

- 3 years warranty for electronic parts & labour, 2 years warranty for the battery against manufacturing defects.
- In the interests of continuous product improvement, all specifications are subject to change without notice.