

# Titan Pro 3P/3P X9 (Tower)



- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.9
- Active power factor correction in allphases
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Accepts dual-mains inputs (Only for 10K/15K/20K models)
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Maintenance bypass available
- Optional N+X parallel redundancy

## Titan Pro X9 3-phase in/3-phase out Online UPS Selection Guide

MODEL	Titan Pro 3/3 X9-10K(L)	Titan Pro 3/3 X9-15K(L)	Titan Pro 3/3 X9-20K(L)	Titan Pro 3/3 X9-30K(L)	
PHASE	3-phase in / 3-phase out				
CAPACITY	10000 VA / 9000 W	15000 VA / 13500 W	20000 VA / 18000 W	30000 VA / 27000 W	
<b>INPUT</b>					
Nominal Voltage	3 x 400 VAC (3Ph+N)				
Input Voltage Range	190-520 VAC (3-phase) at 50% load ; 305-478 VAC (3-phase) at 100% load				
Frequency Range	46-54 Hz or 56-64Hz				
Power Factor	≥ 0.99 @ 100% Load				
<b>OUTPUT</b>					
Output Voltage	3 x 400 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				
<b>EFFICIENCY</b>					
AC Mode	90.5%	91.5%	91.5%	92.1%	
ECO Mode	96%				
Battery Mode	87%	88%	88%	89%	
<b>BATTERY</b>					
Standard Model	Battery Type	12 V / 9 Ah			
	Numbers	20 pcs (18 - 20 adjustable)*	20 pcs (18 - 20 adjustable)*x 2 strings	20pcs (18-20 adjustable)* x 3 strings	
	Typical Recharge Time	9 hours recover to 90% capacity			
	Charging Current (max.)	1A	2A	2A	4A
	Charging Voltage	273 VDC ± 1%			
Long-run Model	Battery Type	Depending on the capacity of external batteries			
	Numbers				
	Charging Current (max.)	4A	4A	4A	12A
	Charging Voltage	273 VDC ± 1%			
<b>INDICATORS</b>					
LCD Display	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault				
<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, D x W x H(mm)	815 x 250 x 826	815 x 250 x 826	815 x 250 x 826	815 x 300 x 1000
	Net Weight (kgs)	109	164	164	233.5
Long-run Model	Dimension, D x W x H(mm)	592 x 250 x 826	592 x 250 x 826	592 x 250 x 826	815 x 250 x 826
	Net Weight (kgs)	38	40	40	64
<b>ENVIRONMENT</b>					
Operating Humidity	0-95 % RH @ 0- 40°C(Non-condensing)				
Noise Level	Less than 60dB @ 1Meter	Less than 65dB @ 1 Meter			
<b>MANAGEMENT</b>					
Smart RS-232 / USB	Supports Windows <sup>2</sup> 2000/2003/XP/Vista/2008, Windows <sup>2</sup> 7/8/10, Linux and MAC				
Optional SNMP	Power management from SNMP manager and web browser				

\*When using internal batteries from 18-19, the unit will de-rate according to the below formula: P = P<sub>Rating</sub> x N/20.  
Product specifications are subject to change without further notice.