



1KVA - 3KVA

Titan PRO Series

True Double Conversion Online UPS

The Titan PRO series is a tower type design with a true double conversion online single-phase UPS system. This series comes with an output power factor of 0.9.

A comprehensive LCD display allows users to easily monitor and access their UPS status. The UPS systems come standard with USB and RS-232 communication ports, as well as an intelligent slot for additional adapters, protocol converters, and relay contact cards.

An Emergency Power Off (EPO) function is available for the 6KVA-10KVA models, which allows UPS to be shut off in the event of an emergency.

Features

- User Friendly LCD Display
- Tower Type Design
- Output Power Factor 0.9
- Wide Input Range (110V - 300V)
- Microprocessor Control Optimizes Reliability
- Input Power Factor Correction
- Converter Mode Available
- ECO Mode Function for Energy Saving (1K-3K Model Only)
- Emergency Power Off Function (EPO) (6K-10K Model Only)
- Adjustable Battery Numbers
- Generator Compatible
- Come with RS232, USB Port, SNMP Slot and Power Management

Software



Recording
Studio



Laboratory
Equipments



ATM



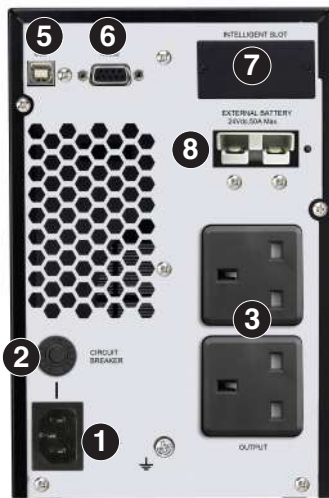
Banking Industry



6KVA - 10KVA

Rear Panel

1KVA - 3KVA



Titan PRO 1K/1KS



Titan PRO 2KS/2KS



Titan PRO 3K

1. AC Input
2. Input Circuit Breaker
3. Output Socket
4. Output Terminal

5. USB Communication Port
6. RS-232 Communication Port
7. Intelligent Slot
8. External Battery Connector

Rear Panel

6KVA - 10KVA

1. Input/Output Terminal
2. Input Breaker
3. Cooling Fan
4. Maintenance Bypass Switch (Optional)
5. USB Communication Port
6. RS-232 Communication Port
7. Intelligent Slot
8. External Battery Connector
9. Emergency Power Off (EPO) Connector



Titan PRO 6KS / 10KS



Titan PRO P 6K / 10K

Technical Specification:

MODEL		Titan PRO 1K/1KS	Titan PRO 2K/2KS	Titan PRO 3K/3KS
CAPACITY (KVA/WATTS)		1KVA / 900W	2KVA / 1800W	3KVA / 2700W
INPUT				
NOMINAL VOLTAGE		200/208/220/230/240VAC		
VOLTAGE RANGE		120 - 300VAC (Based on load at 50%)		
		180 - 300VAC (Based on load at 100%)		
FREQUENCY RANGE		40Hz ~ 70Hz		
PHASE		Single Phase with Ground		
INPUT POWER FACTOR		≥ 0.99 @ Nominal Voltage (100% Load)		
OUTPUT				
OUTPUT VOLTAGE		200/208/220/230/240VAC		
OUTPUT POWER FACTOR		0.9		
VOLTAGE REGULATION (Batt. Mode)		± 1%		
FREQUENCY RANGE (Synchronized Range)		47Hz ~ 53Hz or 57Hz ~ 63Hz		
FREQUENCY RANGE (Batt. Mode)		50Hz ± 0.25Hz or 60Hz ±0.3Hz		
CURRENT CREST RATIO		3 : 1		
TOTAL HARMONIC DISTORTION (THDv)		≤ 3% @ Linear Load ; ≤ 6% @ Non-Linear Load		
WAVEFORM		Pure Sinewave		
TRANSFER TIME (AC to DC)		Zero		
TRANSFER TIME (Inverter to Bypass)		4 ms (Typical)		
STANDARD MODEL	OUTPUT SOCKET	2 x British Socket		3 x British Socket + 1 Terminal Block
KS MODEL				1 x British Socket + 1 Terminal Block
EFFICIENCY				
AC MODE		88%	89%	90%
BATTERY MODE		83%	87%	88%
BATTERY				
STANDARD MODEL	BATTERY TYPE	12V 9AH	12V 9AH	12V 9AH
	BATTERY NUMBERS	2	4	6
	BACKUP TIME	20 - 30 minutes depending on load		
	RECHARGE TIME	4 Hours to 90% capacity		
	CHARGING CURRENT	1.0A (Max)		
	CHARGING VOLTAGE	27.4 VDC ± 1%	54.7 VDC ± 1%	82.1 VDC ± 1%
KS MODEL	BATTERY TYPE	Depending on the capacity of the external batteries		
	BATTERY NUMBERS	3	6	6
	BACKUP TIME	Depending on the capacity of the external batteries		
	CHARGING CURRENT	1.0A / 2.0A / 4.0A / 6.0A (Adjustable)		
	CHARGING VOLTAGE	41.0 VDC ± 1%	82.1 VDC ± 1%	82.1 VDC ± 1%
STATUS INDICATION				
LCD DISPLAY		Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode, UPS Fault		
AUDIBLE ALARM		Battery Mode, Low Battery, UPS Fault, Overload		
COMMUNICATION				
POWER MANAGEMENT SOFTWARE		Support Window Family, Linux & MAC		
INTERFACE		USB & RS-232 Communication Port		
INTELLIGENT SLOT		AS 400 / SNMP (Optional)		
SURGE PROTECTION & FILTERING				
SPIKE, SURGE & LIGHTNING PROTECTION		Yes		
OVERLOAD, SHORT CIRCUIT PROTECTION		Yes		
PHYSICAL				
OPERATING ENVIRONMENT		0-40°C, 20 - 90% Relative Humidity (Non-Condensing)		
NOISE LEVEL		< 50dBA @ 1 Meter		
STANDARD MODEL	DIMENSION (DxWxH)mm	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318
	WEIGHT (KG)	9.8	17	26.2
KS MODEL	DIMENSION (DxWxH)mm	282 x 145 x 220	397 x 145 x 220	
	WEIGHT (KG)	4.1	6.8	6.8
SAFETY STANDARD				
PROTECTION		IP 20		
UPS SAFETY		IEC/ EN 62040-1		
EMC		IEC/ EN 62040-2		
UPS PERFORMANCE TEST		VFI-SS-111 in accordance with IEC / EN 62040-3		
UPS COMPLIANCE		CE		
WARRANTY				
UPS WARRANTY		3 Years Full Warranty Include Parts & Labour. 2 Years Warranty for Battery		

*Specification subjects to change without prior notice



Technical Specification:

MODEL		Titan PRO 6K / 6KS		Titan PRO 10K / 10KS	
CAPACITY (KVA/WATTS)		6KVA / 5400W		10KVA / 9000W	
INPUT					
NOMINAL VOLTAGE		200/208/220/230/240VAC			
VOLTAGE RANGE		110 - 300VAC (Based on load at 50%)			
		176VAC -300VAC (Based on load at 100%)			
FREQUENCY RANGE		46Hz ~ 54Hz or 56Hz ~ 64Hz			
PHASE		Single Phase with Ground			
INPUT POWER FACTOR		≥ 0.99 @ Nominal Voltage (100% Load)			
OUTPUT					
OUTPUT VOLTAGE		200/208/220/230/240VAC			
OUTPUT POWER FACTOR		0.9			
VOLTAGE REGULATION (Batt. Mode)		± 1%			
FREQUENCY RANGE (Synchronized Range)		46Hz ~ 54Hz or 56Hz ~ 64Hz			
FREQUENCY RANGE (Batt. Mode)		50Hz ± 0.1Hz or 60Hz ±0.1Hz			
CURRENT CREST RATIO		3 : 1			
TOTAL HARMONIC DISTORTION (THDv)		≤ 3% @ Linear Load ; ≤ 5% @ Non-Linear Load			
WAVEFORM		Pure Sinewave			
TRANSFER TIME (AC to DC)		Zero			
TRANSFER TIME (Inverter to Bypass)		Zero			
OUTPUT SOCKET		Terminal Block			
EFFICIENCY					
AC MODE		>92%		>93%	
BATTERY MODE		>90%		>91%	
BATTERY					
STANDARD MODEL	BATTERY TYPE	12V 7AH		12V 9AH	
	BATTERY NUMBERS	20			
	BACKUP TIME	20 - 30 minutes depending on load			
	RECHARGE TIME	9 Hours to 90% capacity			
	CHARGING CURRENT	1.0A / 2.0A (Adjustable)			
	CHARGING VOLTAGE	273 VDC ± 1%			
KS MODEL	BATTERY TYPE	Depending on the capacity of the external batteries			
	BATTERY NUMBERS	16 - 20 (Adjustable)			
	BACKUP TIME	Depending on the capacity of the external batteries			
	CHARGING CURRENT	1.0A / 2.0A / 4.0A / 6.0A (Adjustable, 6A is only available for 16pcs batteries)			
	CHARGING VOLTAGE	218.4VDC ± 1% / 273 VDC ± 1%			
STATUS INDICATION					
LCD DISPLAY		Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode, UPS Fault			
AUDIBLE ALARM		Battery Mode, Low Battery, UPS Fault, Overload			
COMMUNICATION					
POWER MANAGEMENT SOFTWARE		Support Window Family, Linux & MAC			
INTERFACE		USB Port & Smart RS-232 Communication Port			
INTELLIGENT SLOT		AS400 / SNMP (Optional)			
EMERGENCY POWER OFF (EPO)		Yes			
SURGE PROTECTION & FILTERING					
SPIKE, SURGE & LIGHTNING PROTECTION		Yes			
OVERLOAD, SHORT CIRCUIT PROTECTION		Yes			
PHYSICAL					
OPERATING ENVIRONMENT		0-40°C, 0 - 95% Relative Humidity (Non-Condensing)			
NOISE LEVEL		< 55dB @ 1 Meter		< 58dB @ 1 Meter	
STANDARD MODEL	DIMENSION (DxWxH)mm	UPS : 442 x 190 x 318 Battery Pack : 443 x 190 x 320			
	WEIGHT (KG)	UPS : 12 Battery Pack : 62		UPS : 16 Battery Pack : 60	
KS MODEL	DIMENSION (DxWxH)mm	369 x 190 x 318		442 x 190 x 318	
	WEIGHT (KG)	12		16	
SAFETY STANDARD					
PROTECTION		IP 20			
UPS SAFETY		IEC/ EN 62040-1			
EMC		IEC/ EN 62040-2			
UPS PERFORMANCE TEST		VFI-SS-111 in accordance with IEC / EN 62040-3			
UPS COMPLIANCE		CE			
WARRANTY					
UPS WARRANTY		3 Years Full Warranty Include Parts & Labour. 2 Years Warranty for Battery			

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