



1KVA - 3KVA

## Titan ONE+ Series

### True Double Conversion Online UPS

The Titan ONE+ 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 1.0. 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.

The Titan ONE+ series system is designed to provide clean, high-quality power to critical devices such as sensitive networks, small computer centers, servers, medical equipment, telecom applications, and industrial applications.

## Features

- User Friendly LCD Display
- Tower Type Design
- Unity Output Power Factor - 1.0
- Wide Input Range (110V - 300V)
- Programmable Power Management Outlets
- ECO Mode Function for Energy Saving
- Emergency Power Off (EPO) Function
- Smart Battery Charger Design to Optimize Battery Performance
- Generator Compatible
- Optional N+X Parallel Redundancy
- Comes with RS 232 & USB Port, SNMP Slot and Power Management Software



Telecommunication System



Data Center



Laboratories Equipment



Precision Instruments



6KVA - 10KVA

## Rear Panel

1KVA - 3KVA



Titan ONE+ 1K



Titan ONE+ 2K



Titan ONE+ 3K

- 1. AC Input
- 2. Output Socket
- 3. Cooling Fan
- 4. Output Terminal

- 5. USB Communication Port
- 6. RS-232 Communication Port
- 7. Intelligent Slot
- 8. Network/Fax/Modem Surge Protection (RJ45)
- 9. Emergency Power Off (EPO) 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
- 10. Parallel Connection



Titan ONE+ 6KS / 10KS



Titan ONE+ P 6K / 10K

## Technical Specification:

MODEL	Titan ONE+ 1K/1KS	Titan ONE+ 2K/2KS	Titan ONE+ 3K/3KS	
CAPACITY (KVA/WATTS)	1KVA / 1000W	2KVA / 2000W	3KVA / 3000W	
<b>INPUT</b>				
NOMINAL VOLTAGE	200/208/220/230/240VAC			
VOLTAGE RANGE	110 - 300VAC (Based on load at 50%)			
	160 - 280VAC (Based on load at 100%)			
FREQUENCY RANGE	40Hz ~ 70Hz			
PHASE	Single Phase with Ground			
INPUT POWER FACTOR	≥ 0.99 @ Nominal Voltage (100% Load)			
<b>OUTPUT</b>				
OUTPUT VOLTAGE	200/208/220/230/240VAC			
OUTPUT POWER FACTOR	1.0			
VOLTAGE REGULATION (Batt. Mode)	± 1%			
FREQUENCY RANGE (Synchronized Range)	47Hz ~ 53Hz or 57Hz ~ 63Hz			
FREQUENCY RANGE (Batt. Mode)	50Hz ± 0.1Hz or 60Hz ± 0.1Hz			
CURRENT CREST RATIO	3 : 1			
TOTAL HARMONIC DISTORTION (THDv)	≤ 2% @ Linear Load ; ≤ 4% @ Non-Linear Load			
WAVEFORM	Pure Sinewave			
TRANSFER TIME (AC to DC)	Zero			
TRANSFER TIME (Inverter to Bypass)	4 ms (Typical)			
OUTPUT SOCKET	2 x British Socket	4 x British Socket		
<b>EFFICIENCY</b>				
AC MODE	≥ 89%	≥ 91%		
ECO MODE	≥ 96%		≥ 90%	
BATTERY MODE	≥ 88%	≥ 90%		
<b>BATTERY</b>				
STANDARD MODEL	BATTERY TYPE	12V 7AH	12V 7AH	12V 9AH
	BATTERY NUMBERS	3	6	6
	BACKUP TIME	20 - 30 minutes depending on load		
	RECHARGE TIME	3 Hours to 95% capacity for internal battery @ 2A charging current		
	CHARGING CURRENT	2.0A - 12A (Adjustable)		
	CHARGING VOLTAGE	41.1 VDC ± 1%	82.1 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%
<b>STATUS INDICATION</b>				
LCD DISPLAY	Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode, UPS Fault			
AUDIBLE ALARM	Battery Mode, Low Battery, UPS Fault, Overload			
<b>COMMUNICATION</b>				
POWER MANAGEMENT SOFTWARE	Support Window Family, Linux & MAC			
INTERFACE	USB & RS-232 Communication Port			
INTELLIGENT SLOT	AS 400 / SNMP (Optional)			
<b>SURGE PROTECTION &amp; FILTERING</b>				
SPIKE, SURGE & LIGHTNING PROTECTION	Yes			
OVERLOAD, SHORT CIRCUIT PROTECTION	Yes			
<b>PHYSICAL</b>				
OPERATING ENVIRONMENT	0-40°C, 20 - 95% Relative Humidity (Non-Condensing)			
NOISE LEVEL	< 50dBA @ 1 Meter			
STANDARD MODEL	DIMENSION (DxWxH)mm	397 x 145 x 220	421 x 190 x 318	
	WEIGHT (KG)	13	23.2	28
KS MODEL	DIMENSION (DxWxH)mm	397 x 145 x 220	421 x 190 x 318	
	WEIGHT (KG)	6.6	9.9	12.3
<b>WARRANTY</b>				
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 ONE+ 6K / 6KS	Titan ONE+ 10K / 10KS
CAPACITY ( KVA/WATTS )		6KVA / 6000W	10KVA / 10,000W
<b>INPUT</b>			
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)	
<b>OUTPUT</b>			
OUTPUT VOLTAGE		200/208/220/230/240VAC	
OUTPUT POWER FACTOR		1.0	
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)		≤ 1% @ Linear Load ; ≤ 4% @ Non-Linear Load	
WAVEFORM		Pure Sinewave	
TRANSFER TIME (AC to DC)		Zero	
TRANSFER TIME (Inverter to Bypass)		Zero	
OUTPUT SOCKET		Terminal Block	
<b>EFFICIENCY</b>			
AC MODE		94%	
ECO MODE		98.5%	
BATTERY MODE		91%	
<b>BATTERY</b>			
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 - 4.0A (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	2.0A - 12A (Adjustable)	
	CHARGING VOLTAGE	218.4VDC ± 1% / 273 VDC ± 1%	
<b>STATUS INDICATION</b>			
LCD DISPLAY		Load Level, Battery Level, AC Mode, Battery Mode, Bypass Mode, UPS Fault	
AUDIBLE ALARM		Battery Mode, Low Battery, UPS Fault, Overload	
<b>COMMUNICATION</b>			
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	
<b>SURGE PROTECTION &amp; FILTERING</b>			
SPIKE, SURGE & LIGHTNING PROTECTION		Yes	
OVERLOAD, SHORT CIRCUIT PROTECTION		Yes	
<b>PHYSICAL</b>			
OPERATING ENVIRONMENT		0-40°C, 20 - 90% Relative Humidity (Non-Condensing)	
NOISE LEVEL		< 55dB @ 1 Meter	
STANDARD MODEL	DIMENSION (DxWxH)mm	UPS : 369 x 190 x 318 Battery Pack : 369 x 190 x 370	UPS : 442 x 190 x 318 Battery Pack : 442 x 190 x 370
	WEIGHT (KG)	UPS : 13 Battery Pack : 44	UPS : 17 Battery Pack : 50
KS MODEL	DIMENSION (DxWxH)mm	369 x 190 x 318	
	WEIGHT (KG)	13	
<b>WARRANTY</b>			
UPS WARRANTY		3 Years Full Warranty Include Parts & Labour. 2 Years Warranty for Battery	

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