

Titan



- True double-conversion
- Galvanic isolation design offers full isolation and complete common mode noise rejection
- Wide input voltage range (110-300VAC)
- Input power factor correction 0.98
- Converter mode available
- ECO mode for energy saving
- Generator compatible
- Mini slot for USB/ RS-232 / AS400 / SNMP communication
- Smart battery charger design for optimized battery performance

S E R V I C I O S

Online UPS Selection Guide

MODEL	Titan 1K(L)		Titan 2K(L)		Titan 3K(L)	
PHASE	Single phase with ground					
CAPACITY	1000 VA / 800 W		2000 VA / 1600 W		3000 VA / 2400 W	
INPUT						
Nominal Voltage	200/208/220/230/240 VAC					
Voltage Range	110-300 VAC ± 5 % at 50% load 160-300 VAC ± 5 % at 100% load					
Frequency Range	40 – 70 Hz (Auto sensing)					
Power Factor	0.98 @ Nominal Voltage (100% load)					
OUTPUT						
Output Voltage	200/208/220/230/240 VAC					
AC Voltage Regulation (Batt. Mode)	± 2%					
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 – 63 Hz					
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz					
Current Crest Ratio	3:1					
Harmonic Distortion	3 % THD (Linear Load) ; 7 % THD (Non-linear Load)					
Transfer Time	AC Mode to Batt. Mode	Zero				
	Inverter to Bypass	4 ms (Typical)				
Waveform (Batt. Mode)	Pure Sinewave					
EFFICIENCY						
AC Mode (@100% RCD load)	75% - 77%		78% - 81%		80% - 81%	
Battery Mode(@100% RCD load)	73%		79%		76%	
BATTERY						
Standard Model	Battery Type	12V / 9Ah	12V / 7Ah	12V / 9Ah	12V / 7Ah	12V / 9Ah
	Battery Numbers	2	3	4	6	6
	Charging Current (max.)	1.0 A				
Long-run Model	Charging Voltage	27.4 VDC ± 1%	41.0 VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%
	Battery Numbers	Depending on the capacity of external batteries				
	Charging Current (max.)	1A / 2A / 4A / 8A				1A / 2A / 4A / 6 A
	Charging Voltage	27.4 VDC ± 1%	41.0 VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	82.1 VDC ±1%
INDICATORS						
LCD Panel	UPS status, Load level, Battery level, Input / Output voltage, Discharge timer, and Fault conditions					
ALARM						
Battery Mode	Sounding every 4 seconds					
Low Battery	Sounding every second					
Overload	Sounding twice every second					
Fault	Continuously sounding					
PHYSICAL						
Standard Model	Dimension, D x W x H(mm)	397 x 145 x 332		397 x 145 x 332		426 x 190 x 448
	Net Weight (kgs)	20.3	23	33.4	55	56
Long-run Model	Dimension, D x W x H(mm)	397 x 145 x 332		397 x 145 x 332		426 x 190 x 448
	Net Weight (kgs)	16.9		22.9	39	40.7
ENVIRONMENT						
Operation Humidity	20-90 % RH @ 0- 40°C (Non-condensing)					
Noise Level	Less than 50dB @ 1 Meter					
MANAGEMENT						
Communication	RS232 Card / Optional USB Card, SNMP Card, or AS400 Card available Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC					
Optional SNMP	Power management from SNMP manager and web browser					

* L means long-run model
Product specifications are subject to change without further notice