

Titan +



- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage (110 V – 300 V)
- Converter mode available
- ECO mode for energy saving (Only available for 1-3KVA)
- Generator compatible
- Charger capacity expansion to 6A for long-run models
- Smart SNMP works well with either USB or RS-232 together
- Comprehensive display allows easy monitoring and access of UPS status

SCENARIUM

Online UPS Selection Guide

MODEL	Titan + 1K (L)	Titan + 2K (L)	Titan + 3K (L)	Titan + 5K (L)	Titan + 6K (L)	Titan 10K (L)			
PHASE	Single phase with ground								
CAPACITY *	1000 VA / 800 W	2000 VA / 1600 W	3000 VA / 2400 W	5000VA / 4000W	6000VA / 4800W	10000 VA / 8000 W			
INPUT									
Nominal Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC					
Input Voltage Range	55-150 VAC or 110-300 VAC (Based on load at 50%) 85-140VAC or 160-280VAC (Based on load at 100%)			110-300 VAC (Based on load at 50%) 176-300 VAC (Based on load at 100%)					
Frequency Range	40 Hz ~ 70 Hz			46-54 Hz or 56-64 Hz					
Power Factor	0.99 @ Nominall Voltage (100% load)								
OUTPUT									
Output Voltage	100/110/115/120/127VAC or 200/208/220/230/240VAC			208/220/230/240VAC					
Voltage Regulation	± 1 %								
Frequency Range (Synchronized Range)	47~ 53 Hz or 57 ~ 63 Hz			46-54 Hz or 56-64 Hz					
Frequency Range (Batt. Mode)	50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz			50 Hz or 60Hz ± 0.1 Hz					
Current Crest Ratio	3:1								
Harmonic Distortion	3 % THD (Linear Load) 6 % THD (Non-linear Load)			3 % THD (Linear Load) 5 % THD (Non-linear Load)					
Transfer Time	AC to DC Inverter to Bypass		Zero		Zero				
Waveform (Batt. Mode)	Pure Sinewave								
EFFICIENCY									
To AC Mode	88%	88%	90%	89%	92%	93%			
To Battery Mode	83%	85%	88%	88%	90%	91%			
BATTERY									
Standard Model	Battery Type	12 V / 9 Ah		12 V / 9 Ah		12 V / 9 Ah			
	Numbers	2	4	6	8	16	16 20		
	Typical Recharge Time	4 hours recover to 90% capacity				9 hours recover to 90% capacity			
	Charging Current (max.)	1 A / 2 A							
Long-run Model **	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	115.2 VDC ±1%	218.4 VDC ±1%	273VDC ±1%		
	Battery Type	Depending on the capacity of external batteries							
	Numbers	2	3	4	6	8	8 16 20		
	Charging Current (max.)	1A/2A/4A/6A (Adjustable)			1A/2A/4A/6A (Adjustable)		1A/2A/4A/6A (Adjustable)		
	Charging Voltage	27.4VDC ± 1%	41.0VDC ± 1%	54.7VDC ±1%	82.1 VDC ±1%	109.4VDC ±1%	115.2 VDC ±1%	218.4 VDC ±1%	273 VDC ±1%
INDICATORS									
LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode, and Fault indicators								
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)	282 x 145 x 220	397 x 145 x 220	421 x 190 x 318	442 x 190 x 688	369 x 190 x 688	442 x 190 x 688		
	Net Weight (kgs)	9.8	17	27.6	43	61	66 75		
Long-run Model **	Dimension, D x W x H(mm)	282 x 145 x 220	397 x 145 x 220		442 x 190 x 318	369 x 190 x 318	442 x 190 x 318		
	Net Weight (kgs)	4.1	6.8	7.4	15	12	16 18		
ENVIRONMENT									
Humidity	20-90 % RH @ 0- 40°C (Non-condensing)			0-95% RH @ 0-40°C (non-condensing)	0-95% RH @ 0-50°C (non-condensing)	0-95% RH @ 0-40°C (non-condensing)			
Noise Level	Less than 50dBA @ 1 Meter			Less than 55dBA @ 1 Meter	Less than 55dBA @ 1 Meter	Less than 58dBA @ 1 Meter			
MANAGEMENT									
Smart RS-232 / USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix, and MAC								
Optional SNMP	Power management from SNMP manager and web browser								

*1-3KVA: Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC
 6-10KVA: Derate to 60% of capacity in Frequency converter mode and to 90% when the output voltage is adjusted to 208VAC
 **Long-run model is only available in 200/208/220/230/240VAC systems (200VAC system only available for 1-3KVA).
 Product specifications are subject to change without further notice.

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