

Titan Elite Series

SmartPower

Your Smart choice for UPS



Features

- True online double-conversion design
- DSP Control
- 0.9 Output Power Factor
- Wide Input Range 100-300 VAC
- High Efficiency 97% (ECO mode)
- Frequency Converter Mode
- Input THDI < 5%
- Output THDv < 2% linear load
- Programmable LCD display
- Extendable Run Time
- Recharge to 90% battery capacity within 4 hours
- Free Power Management Software
- Optional SNMP & Relay Cards
- Build-in Over Voltage Cut-Off device (OVCD) for Tough environment

The New Titan Elite generation 2 series. A premium grade entry level for true-online UPS.

TE-G2 Series UPS make use of the unique True Online Double Conversion circuitry to detect the electricity current and voltage output of utility power supply. The current is input via high frequency PWM to maintain uniform wave form and phase in line with the voltage, so as to attain high input power factor over to 0.99 and avoid generating comparatively significant harmonic interference on the power network.

With the use of the outstanding IGBT as the power conversion component, the operating frequency of the Inverter of UPS is capable of reaching tens of KHz, due to the high frequency operating characteristics of IGBT. Higher working efficiency of the inverter also improves the overall efficiency of UPS and higher inversion frequency reduces the noise of the inverter as well. Due to its components margins are increased.

Product Information

Titan Elite Series

MODEL		TE1000	TE1000S	TE1500	TE2000	TE2000S	TE3000	TE3000S
CAPACITY	VA/WATT PF 0.9	1000VA/900W		1500VA/1350W	2000VA/1800W		3000VA/2700W	
INPUT	Voltage Range	100 - 300 VAC						
	Frequency Range	50 Hz \pm 10% (Auto sensing)						
	Phase	Single phase with ground						
	Current THDI	<5%						
	Power Factor	\geq 0.99						
	Generator Input	2.2 x UPS Rating Power						
OUTPUT	Voltage Range	220 VAC \pm 1%						
	Phase	Single phase with ground						
	Frequency (Synchronized Range)	50 Hz \pm 10%						
	Frequency (Battery Mode)	50 Hz \pm 0.1%						
	Current Crest Ratio	3:1						
	Harmonic Distortion	< 2% THD (Linear Load)						
	Protection	Short Circuit Protection						
	Output Waform	Pure Sinewave						
	Outlet	Universal 4 Outlets						
	Overload Capacity	Line Mode	1 min @ 105%~130% ; 10 sec @ 130% ~ 150% ; 300ms @ >150%					
	Battery Mode	1 sec @ 105%~130% ; 1 sec @ 130% ~ 150% ; 300ms @ >150%						
EFFICIENCY	AC Mode / Battery Mode	> 89% / >84%			> 91% / >85%			
	ECO mode	> 97.2%			> 98%			
BATTERY	Number of Batteries Per Set	2	Depending on the capacity of external batteries	2	4	Depending on the capacity of external batteries	6	Depending on the capacity of external batteries
	Battery Capacity (Ahr)	12V/(7/9)Ahr		12V/(7/9)Ahr	12V/(7/9)Ahr		12V/(7/9)Ahr	
	Backup Time (depend on load)	> 5 mins		> 5 mins	> 5 mins		> 5 mins	
	Recharge Time (to 90%)	4 Hours		4 Hours	4 Hours		4 Hours	
	Charging Current (Max.)	1.5A	6.0A	1.5A	1.5A	6.0A	1.5A	6.0A
	Rated Battery Voltage	24 Vdc			48 Vdc		72 Vdc	
	Battery Type	Sealed Lead Acid Maintenance Free						
TRANSFER TIME	AC to DC	Zero						
INDICATOR	LCD	Input information: Voltage / Frequency / Utility Present / Utility Lost, Output information: Voltage / Frequency, Load information: Overload / Short circuit / Load level, Battery information: Battery Level / Battery Remaining Time / Battery Low, Mode information: Bypass / Line / Battery / Fault / Warning / Operating-Fault-Warning Code / Operating Mode Icon / Bypass configure: enable-disable						
AUDIBLE ALARM	Battery Mode	Sounding every 4 seconds						
	Low Battery	Sounding every second						
	Overload	Sounding twice every second						
	Fault	Continuously Sounding						
DIMENSION	W x H x D mm	144 x 229 x 345	102 x 228 x 352	144 x 229 x 345	190 x 330 x 393	102 x 327 x 396	190 x 330 x 393	102 x 327 x 396
WEIGHT	kg	9.4	3.76	9.4	17	6	22.2	6.08
ENVIRONMENT	Operating Environment	0-40° C						
	Relative Humidity	0-95% (NON-CONDENSING)						
	Noise Level	<45dB @ 1 Meter			<50dB @ 1 Meter			
INTERFACE	USB (built-in) / RS-232	Software supports Windows Family, Linux, Sun Solaris, IBM AIX, Compaq True64, SGI IRIX, FressBSD, HP-UX and MAC						
	Smart Slot (Option)	SNMP Adapter/ AS400 Relay Card / RS485 / USB						
INTERNATIONAL STANDARDS	CE	ESD: IEC61000-4-2 Level 3, RS: IEC61000-4-3 Level 3, EFT: IEC61000-4-4 Level 4, Surge: IEC61000-4-5 Level 4, Conduction: IEC62040-2 Cat C2, Radiation: IEC62040-2 Cat C2 Transportation: Drop: ISTA 2A, Vibration: internal standard, Protection: IP20 (static)						

Specification are subject to change without prior notice.



The Sun Power Co.,Ltd.

31 Soi Prachautit 59, Yeak 5, Tel. 02-872-9501/4 Fax.02-872-9505

Bangmod,Thungkru, WWW.THESUNPOWER.CO.TH

Bangkok 10140 THAILAND. Email. SaleContact@thesunpower.co.th