



TE-2K, TE-3K

TE-1K

TE-2KS, TE-3KS

TE-1KS

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
- Optional 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.

Titan Elite Series

MODEL		TE-1K	TE-1KS	TE-2K	TE-2KS	TE-3K	TE-3KS
CAPACITY	VA/WATT	1000VA/900W (PF0.9)		2000VA/1800W (PF0.9)		3000VA/2700W (PF0.9)	
INPUT	Voltage Range	220 VAC ± 20%					
	Frequency Range	50/60 Hz ± 10% (Auto sensing)					
	Phase	Single phase with ground					
	Current THDI	<5%					
	Power Factor	≥ 0.99					
	Generator Input	2.2 x UPS Rating Power					
OUTPUT	Voltage Range	220 VAC ± 2%					
	Phase	Single phase with ground					
	Frequency (Synchronized Range)	50 Hz ± 10%					
	Frequency (Battery Mode)	50 Hz ± 0.2%					
	Current Crest Ratio	3:1					
	Harmonic Distortion	< 2% THD (Linear Load)					
	Protection	IP20, Short Circuit , Overload Protection					
	Output Waform	Pure Sinewave					
	Power Factor	0.9					
	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	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	
	Backup Time (depend on load)	>15 min		>15 min		>15 min	
	Recharge Time (to 90%)	4 Hours		4 Hours		4 Hours	
	Charging Current (Max.)	1.5A	6.0A	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	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	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 Level4, 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.



ระบบบริหารคุณภาพ
(ISO 9001)



ระบบบริหารจัดการ
(ISO 14001)



มาตรฐานวิศวกรรม
ไทย (TAAEE)



มาตรฐานช่างเทคนิค
ไทย (TAAEE)



มาตรฐานสหภาพยุโรป