

# SYNDOME

ผู้นำด้านระบบสำรองไฟฟ้า



## Titan Elite series Superior Group

★ General    ★ ★ Better    ★ ★ ★ Unique

### System

- ★ True online double conversion Topology
- ★ DSP Control
- ★ IGBT conversion component
- ★ Tens of kHz, high frequency PWM

### Operation mode

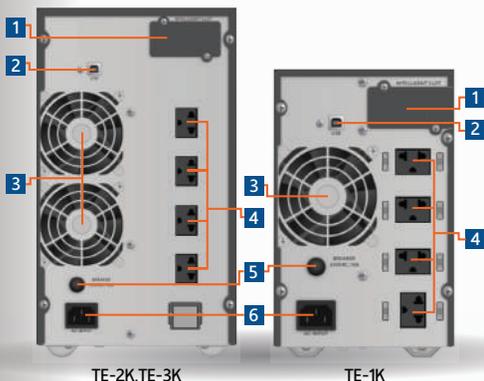
- ★ Normal Mode : Control V./ freq. sync. to line
- ★ ECO Mode : via bypass within Programablerange
- ★ Freq. Mode : Control both V. & F.

### Performance

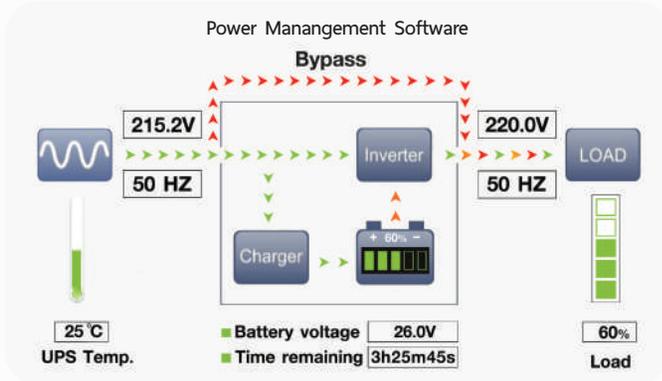
- ★ ★ Wide Input Range 100-300 VAC
- ★ ★ 0.9 Output Power Factor
- ★ ★ Input THDI <5%
- ★ ★ Output THDv <2% linear load
- ★ ★ Recharge to 90% battery capacity within 4 hours
- ★ ★ ★ Over Voltage Cut-Off device (OVCD) Up to 400 V.

### User Interface

- ★ ★ Programmable LCD Display
- ★ ★ Free Power Management Software
- ★ Optional SNMP & Relay Cards



1. Intelligent Slot
2. USB
3. Cooling Fan
4. Outlet
5. Circuit Breaker
6. Input Power



มอก. 1291 เล่ม1 - 2553  
มอก. 1291 เล่ม2 - 2553  
มอก. 1291 เล่ม3 - 2555



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# Product Information

MODEL		TE-1K	TE-1.5K	TE-2K	TE-3K	
CAPACITY	VA/WATT	1000VA/900W (PF0.9)	1500VA/1350W (PF0.9)	2000VA/1800W (PF0.9)	3000VA/2700W (PF0.9)	
INPUT	Voltage Range	100 - 300 VAC				
	Frequency Range	50 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 ± 1%				
	Phase	Single phase with ground				
	Frequency	Synchronized	50 Hz ± 10%			
		Battery Mode	50 Hz ± 0.1%			
	Current Crest Ratio	3:1				
	Harmonic Distortion	< 2% THD ( Linear Load)				
	Protection	Short Circuit Protection				
	Output Waform	Pure Sinewave				
	Outlet	Thai-Universal				
	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	2		4	6	
	Battery Capacity	12V/(7/9)Ahr				
	Backup Time (depend on load)	>15 min				
	Recharge Time (to 90%)	4 Hours				
	Charging Current (Max.)	1.5A				
	Rated Battery Voltage	24 Vdc		48 Vdc	72 Vdc	
	Battery Type	Sealed Lead Acid Maintenance Free				
TRANSFER TIME	AC to DC	Zero				
LCD Display	Input / Output information:	Voltage / Frequency / Utility Present / Utility Lost				
	Load information:	Overload / Short circuit / Load level, Bypass configure: enable-disable				
	Battery infomation:	Battery Level / Battery Remaining Time / Battery Low				
	Mode information:	Bypass / Line / Battery / Fault / Warning / Operating-Fault-Warning Code / Operating Mode Icon				
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		190 x 330 x 393	190 x 330 x 393	
WEIGHT	kg	9.4		17	22.2	
ENVIRONMENT	Operating Environment	0-40° C				
	Relative Humidity	0-95% (NON-CONDENSING)				
	Noise Level	<45dB @ 1 Meter		<50dB @ 1 Meter		
INTERFACE	USB (built-in)	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 / RS-232				
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 Transportaion: Drop:ISTA 2A, Vibration:internal standard, Protection: IP20 (static)				



ສອກ. 1291 ເລັກ1 - 2553  
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