

# SYNDOME

ผู้นำด้านระบบสำรองไฟฟ้า



## Titan Elite series Superior Group

★ General    ★ ★ Bestter    ★ ★ ★ Unique

### System

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

### Operation mode

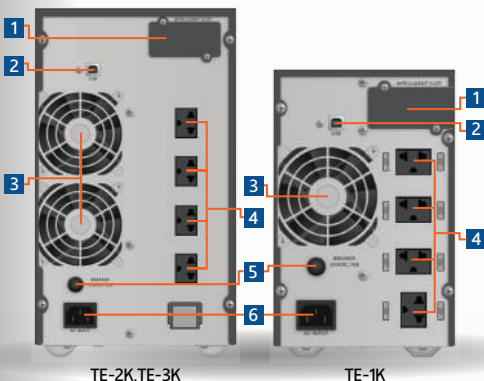
- ★ Normal Mode : Control V./ freq. sync. to line
- ★ ECO Mode : via bypass within Programablerange
- ★ Freq. Mode : Control both V. & F.

### 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

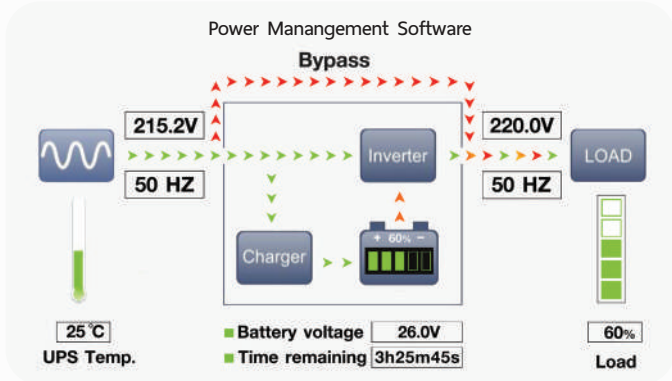
- ★ ★ Programmable LCD Display
- ★ ★ Free Power Management Software
- ★ Optional SNMP & Relay Cards



TE-2K,TE-3K

TE-1K

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



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



Syndome Electronics Industry Co.,Ltd.

66 ซอยประชาอุทิศ 59 แยก 3 แขวงบางมด เขตทุ่งครุ กรุงเทพฯ 10140

Tel: (662) 872 - 6900 (auto) Fax: (662) 872 - 6909

URL: <http://www.syndome.com> Email: [public@syndome.com](mailto:public@syndome.com)

MK-S-30-Rev0  
ed.29/09/2019

# Product Information

MODEL		TE-1K	TE-2K	TE-3K
CAPACITY	VAWATT	1000VA/900W (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)		



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



Syndome Electronics Industry Co.,Ltd

66 ซอยประชาอุทิศ 59 แยก 3 แขวงจตุจักร เขตจตุจักร กรุงเทพฯ 10140

Tel: (662) 872 - 6900 (auto) Fax: (662) 872 - 6909

URL: <http://www.syndome.com> Email: [public@syndome.com](mailto:public@syndome.com)

MK-S-30-Rev0  
ed.29/09/2019