ME-1000TBK / ME-2000TBK / ME-3000TBK UPS SPECIFICATION

MODEL			ME-1000TBK	ME-2000TBK	ME-3000TBK
CAPACITY	VA/W		1000VA/700W	2000VA/1400W	3000VA/2100W
INPUT	Voltage		110-300VAC		
	Voltage Range	Base on load percentage (100%-70% / 70%-60% / 60%-50% / 50%-40% / 40%-0%)			
		Low Line Transfer	160VAC/140VAC/120VAC/110VAC +/-5VAC		
		Low Line Comeback	175VAC +/-5VAC		
		High Line Transfer	300VAC +/-5VAC		
		High Line Comeback	285VAC +/-5VAC		
	Frequency Range		46Hz ~ 54Hz		
	Phase		Single phase with ground		
	Power Factor		0.95		
OUTPUT	Voltage		220VAC/230VAC/240VAC		
	Voltage Regulation		±2%		
	Frequency (Synchronized range)		46Hz ~ 54Hz		
	Frequency (Battery Mode)		50 Hz ± 0.2 Hz		
	Current Crest Ratio		3:1		
	Harmonic Distortion		≤3% THD (Linear Load) ≤6% THD (Non-Linear Load)	≤4% THD (Linear Load) ≤7% THD (Non-Linear Load)	
	Output Waveform		Pure Sinewave		
EFFICIENCY	To AC Mode		85%	85%	85%
	To Battery Mode		83%	83%	83%
BATTERY	Battery Type		12V/7.2Ah	12V/7.2Ah	12V/7.2Ah
	Numbers of Batteries		3	8	8
	Backup Time (Full Load)		>5 minutes	>9 minutes	>5 minutes
	Recharge Time		5 hours to 90%	5 hours to 90%	5 hours to 90%
	Charging Current (Max.)		1.0A	1.0A	1.0A
	Charging Voltage		41.1Vdc ± 0.6V	110Vdc ± 0.4V	110Vdc ± 0.4V
TRANSFER TIME	AC to DC		Zero		
	Inverter to Bypass		2.5ms (Typical)		
INDICATOR -	Status		Load Level / Battery Level / Battery Mode / AC Mode / Bypass Mode / Fault		
AUDIBLE ALARM	Battery Mode		Sounding every 4 seconds		
	Low Battery		Sounding every second		
	Overload		Sounding twice every second		
	Fault		Continuously Sounding		
DIMENSION	(DxWxH) mm		400x145x220	460x192x340	460x192x340
WEIGHT	kgs		14	34.5	35.5
ENVIRONMENT	Operating Temperature		0-40° C		
	Relative Humidity		20-90% (Non-Condensing)		
	Noise Level		<45dB @ 1Meter	<50dB @ 1Meter	<50dB @ 1Meter
INTERFACE	Smart RS-232		Windows 98/NT/2000/XP/2003, Linux, Sun Solaris, IBM Aix, Compaq True64, SGI IRIX, FreeBSD, HP-UX, and MAC		
	SNMP (option)		Power management from SNMP manager and web browser		

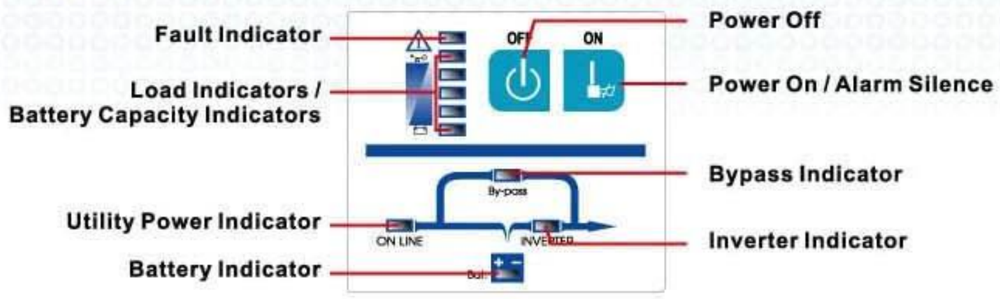
MECER

ME-1000TBK/ME-2000TBK/ME-3000TBK

- Microprocessor Control Guarantees High Reliability
- PWM Technology with IGBTs
- Wide Input Voltage Range
- Communication Ports Selectable : Smart RS-232 and Intelligent Slot for AS-400, and SNMP Card
- Free Download Software from the Internet for Monitoring UPS Status
- Optional External Battery Socket Available for Extended Backup Time
- Cold Start Function
- Auto Self-testing System while Turning on the UPS
- Tower and Rack Mount Available
- Modular Design Available for ME-1000/2000/3000 TBK

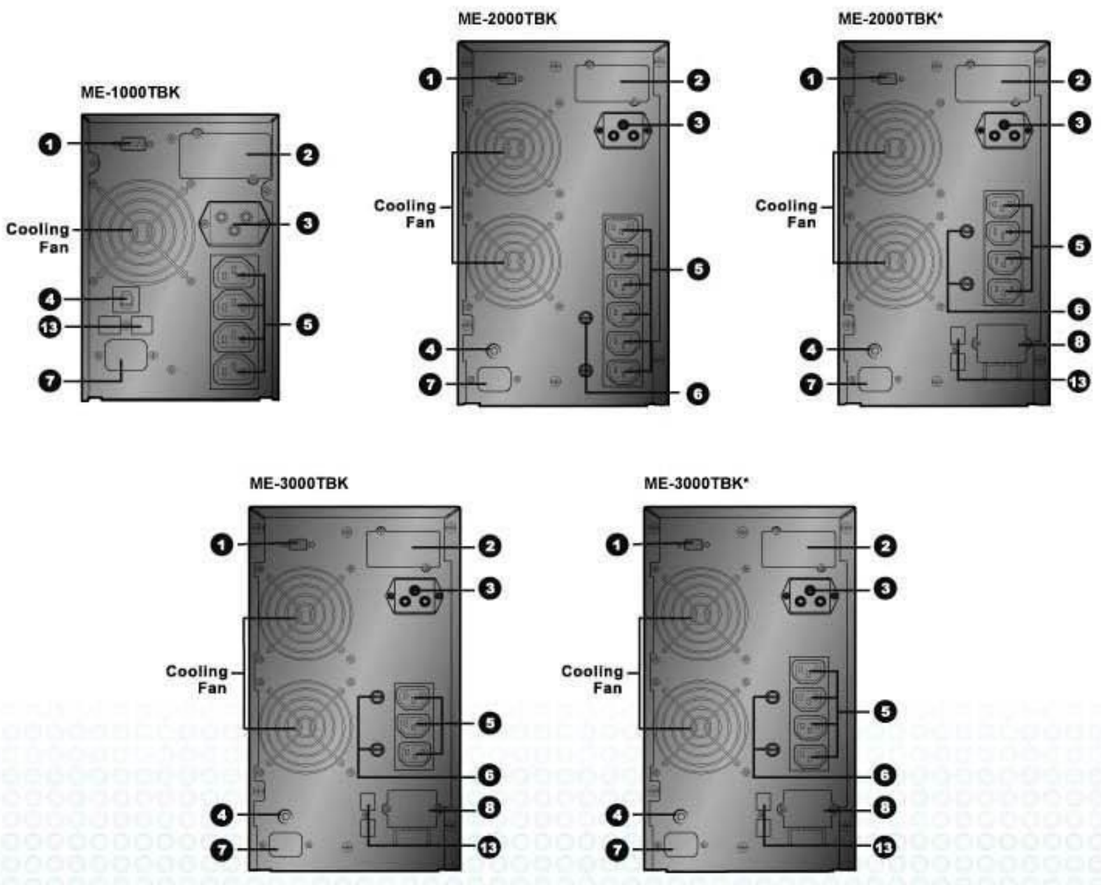
THE CHOICE

Display Panel



Back Panel for all models

1. Communication Port
2. Intelligent Slot
3. External Battery Socket (For S model ONIY)
4. Breaker
5. Output Socket
6. Network / Fax / Modem Surge Protection
7. Input Socket
8. Output Terminal Block
9. Parallel Port
10. Input Breaker
11. Maintenance Switch
12. Terminal
13. Network/Fax/Modem Surge Protection



ME-1000/2000/3000TBK UPS make use of the unique AC-DC conversion circuitry to detect the electricity current and voltage output of utility power supply. The current is input via the high frequency PWM to maintain uniform wave form and phase in line with the voltage, so as to attain high input power factor over 95% and avoid generating comparatively significant harmonic interference on the power network.

With the use of the outstanding IGBT as the power conversation 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 alwo improves the overall efficiency of UPS. Moreover, higher inversion frequency reduces the noise of the inverter as well.

Microprocessor Control:
By means of innovative software control programs, the complicated hardware circuitry is inlaid in the powerful microprocessor. Apart from reduced size, it also lowers the defective rate of UPS.

Communication Ports:
Offering three different communication ports for user selection : RS-232, SNMP slot and AS-400 slot. Through either one of them, the user can control and monitor UPS status easily.

Extended Backup Time:
Long Backup Models are allowed to connect external batteries to get prolonged backup time. It is particularly suitable for use in areas where power supply is consistently in shortage.

Cold Start Function:
The unique Cold Start Function elaborates the emergency standby capability of UPS to a sufficient extent.

Auto Self-Testing System:
When the UPS is powered on, it immediately performs an inspection of the components such as the inverter and the battery as well as the load, so as to detect any problem in time to avoid causing any negligence or loss.

Tower And Rack Mount Available:
The tower-designed models occupy the minimum footprint. And the rack mount models are ideal for rack-optimized servers.

Modular Design:
ME-1000/2000/3000TBK UPS is the modular design UPS. There are many small modular boards on the Power Board. They are Fan module, Charger module, Power Supply module, DC-DC module, PFC module and PWM Driver module etc. The modular design would help technicians easily to maintain and repair the UPS and the product quality will be more reliable.