

TM33E SERIES PF 1.0 Power range: 10kVA~40kVA

3:3



Features

- Smallest Footprint Design
- DSP-controlled Technology
- Parallel Redundancy up to 4 units
- Input current harmonic: <3%
- Unity Power Factor and Low Input Distortion
- ECO Mode for energy saving
- Optimization battery group, the quantity of battery
10~30kVA: 16/18/20pcs (30~50pcs supportable)
40kVA: 30~50pcs
- Built-in Batteries models
- Dual input source (Optional for standard unit)
- Matching Battery Packs
- 3-level Intelligent Charge Modes with Smart Charge Current Adjustment
- Powerful Charger up to 20A
- Superior Overload Capability
- Emergency Power Off
- DC Start function
- Multiple communication interface: USB, RS232, RS485, Parallel port, Dry contact, Intelligent slot, SNMP card(Optional), Relay card (Optional), Battery temperature sensor (Optional)



ON LINE



TOWER



DATA CENTRE



E-MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY

TM33E Transform-less Online Tower UPS

TM3310 SE/L | TM3315 SE/L | TM3320 SE/L | TM3330 SE/L | TM3340 SE/L

TM33E Technical Specifications:

		TM33E				
Model		TM3310SE/L	TM3315SE/L	TM3320SE/L	TM3330SE/L	TM3340SE/L
Capacity		10kVA/ 10kW	15kVA/ 15kW	20kVA / 20kW	30kVA/ 30kW	40kVA/40kW
INPUT						
Nominal voltage		380/400/415Vac (3PH+N+PE)				
Operating voltage range		208~478Vac				323~478Vac
Operating frequency range		45-55Hz at 50Hz/54-66Hz at 60Hz (auto sensing)				
Power factor		≥0.99				
Harmonic distortion (THDi)		≤3% (100% non-linear load)				
Bypass voltage range		Max.voltage: 220V: +25% (Optional +10%, +15%, +20%) 230V: +20% (Optional +10%, +15%) 240V: +15% (Optional +10%) Min.voltage: −45% (Optional −20%, −30%) Frequency synchronize tracing range: ±10%				
Generator input		Support				
OUTPUT						
Output voltage		380/400/415Vac (3Ph+N+PE)				
Voltage regulation		±1%				
Power factor		1				
Output frequency		Line Mode: synchronize with input; when input frequency> ±10%(±1%/±2%/±4%/±5% optional), output (50/60±0.1)Hz Battery Mode: (50/60±0.1)Hz				
Crest factor		3:1				
Harmonic distortion (THD)		≤2% with linear load ≤5% with non linear load				
Efficiency		≥93.5%		≥94.5%		
SYSTEM FEATURES						
Transfer time		Utility to Battery: 0ms; Utility to bypass: 0ms				
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% to bypass				
	Bat. Mode	Load≤110%: last 10min, ≤125%: last 1 min, ≤150%: last 10S, ≥150% shut down UPS immediately				
	Bypass Mode	Breaker 20A	Breaker 32A	Breaker 40A	Breaker 63A	Breaker 80A
Alarm		overload, utility abnormal, UPS fault, battery low, etc.				
Protection		short circuit, overload, over temperature, battery low, fan fault alarm				
Communication		USB, RS485, Parallel port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)				
ENVIRONMENTAL						
Operating temperature		0℃~40℃				
Storage temperature		−25℃~55℃				
Humidity range		0~95% (Non condensing)				
Altitude		<1500m, derating required when >1500m				
Noise level		<55dB			<58dB	
STANDARDS						
Safety		IEC/EN 62040-1, IEC/EN 60950-1				
EMC		IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8)				

TM33E Technical Specifications:

	Standard Unit				
Model	TM3310SE	TM3315SE	TM3320SE	TM3330SE	TM3340SE
Weight	95kgs	147kgs		225kgs	
Dimension W*H*D(mm)	250*868*900				
Battery DC Voltage	+/-120Vdc**				+/- 180Vdc
Built-in Charger	1.35A	2.70A		4A	2.7A
Built-in Battery Quantity	20pcs 12V/9AH(Max. 40pcs)	40pcs 12V/9AH		60pcs 12V/9AH	

	Long Backup Unit				
Model	TM3310L	TM3315L	TM3320L	TM3330L	TM3340L
Weight	42kgs	45kgs		66kgs	73kgs
Dimension W*H*D(mm)	250*868*900				
Battery DC Voltage	+/-96V / +/-108V / +/-120V				+/- 192V / +/- 204V / +/-216V / +/-228V / +/-240V
Built-in Charger	10A			20A	
Built-in Battery Quantity	N/A				

	Matching Battery Pack	
Model	TC 080120N	
Weight	243kgs	
Dimension W*H*D(mm)	250*868*900	
Built-in Battery Quantity	80pcs 12V/9AH	

Specifications subject to change without prior notice.
*PF=0.9 models also available

