

TH3-3 Series

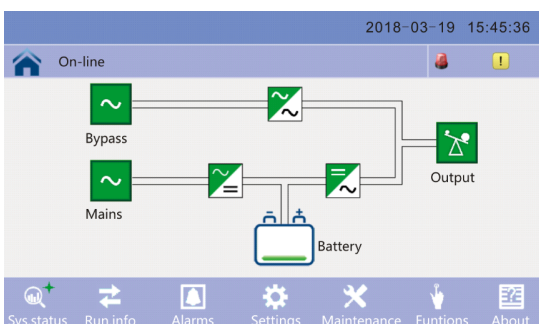
10-100kVA UPS

The TH3-3 series online double conversion UPS System adopts advanced DSP control and N+X redundancy design to enhance the reliability. With high power factor (PF) and ECO mode operation for energy saving, this series is the cost-effective choice in the industry. It has been widely used for server rooms, personal computers, data warehouses, medical clinics, industrial applications, and office facilities.



Key features and benefits

- True on-line UPS
- Great reliability and performance
- Advanced technology DSP, IGBT components
- Intelligent communications—RS-232, SNMP card (optional), relay card (optional)
- N + X parallel redundancy
- Adjustable charging via LCD
- ECO mode for energy saving
- Cold start



MODEL	TH3-3310	TH3-3315	TH3-3320	TH3-3330	TH3-3340	TH3-3360	TH3-3380	TH3-33100	
Capacity (VA/Watts)	10K / 9K	15K / 13.5K	20K / 18K	30K / 27K	40K / 36K	60K / 54K	80K / 72K	100K	
INPUT									
Nominal Voltage	380/400/415Vac(3Ph+N+PE)								
Operating Voltage Range	208~478Vac@half load; 305~478Vac@full load								
Operating Frequency Range	50Hz: 45~55Hz, 60Hz: 54~66Hz								
Power Factor	≥0.99								
Bypass Voltage Range	Max.voltage: 220V: +25%(Optional +10%,+15%,+20%)								
	230V: +20%(Optional +10%,+15%)								
	240V: +15%(Optional +10%)								
	Min. voltage: -45% (Optional -10%, -20%,-30%)								
ECO Range	Same as bypass								
Harmonic Distortion (THDi)	≤3%(100% non-linear load)								
OUTPUT									
Output Voltage	380/400/415Vac(3Ph+N+PE)								
Power Factor	0.9								
Voltage Regulation	±1%								
Frequency	Line	±1%/±2%/±4%/±5%/±10% of the rated frequency(Optional)							
	Bat. Mode	50/60(1±0.1%)Hz							
Crest Factor	3:01								
Harmonic Distortion (THDv)	≤2% with linear load								
	≤5% with non-linear load								
Waveform	Pure Sinewave								
Transfer Time	Utility to Battery : 0ms; Utility to Bypass: 0ms								
Efficiency	95%								
BATTERY									
Battery	Standard unit	±120Vdc (20pcs 12V9AH)	±120Vdc (2x20pcs 12V9AH)	±120Vdc (3x20pcs 12V9AH)	N/A				
Voltage	Long run unit	Selectable Voltage:±96V/±108V/±120Vdc			Selectable Voltage:±192V/±204V/±216V/ ±228V/±240Vdc				
Charging	Standard unit	1.35	2.7	4.05	N/A				
Current (A)	Long run unit	Max.current 10A		Max.current 15A	Max.current 30A				
PROTECTION									
	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately							
Overload	Bat. Mode	Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 5S, ≥150% shut down UPS immediately							
	Bypass Mode	20A(Input breaker)	32A(Input breaker)	40A(Input breaker)	63A(Input breaker)	80A(Input breaker)	100A (Input breaker)	125A (Input breaker)	150A(Input breaker)
Short Circuit	Hold Whole System								
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately								
Battery Low	Alarm and Switch off								
INDICATORS									
Audible & Visual Alarms	Line Failure, Battery Low, Overload, System Fault								
Status LED & LCD Display	Line Mode, Backup Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault								
Parameters On The LCD Panel	Input/Output Voltage, Input/Output Frequency, Load Level, Battery Level, Inner Temperature & Remaining Battery Backup Time								
Communication Interface	RS-232,RS-485,USB,Parallel card, SNMP card(Optional), Relay card (Optional),Battery temperature sensor(optional)								
ENVIRONMENT									
Operating Temperature	0~40C								
Storage Temperature	-25~55C								
Humidity Range	0~95% (Non-condensing)								
Altitude	< 1500m								
Noise Level	<55dB			<58dB		<63dB			
PHYSICAL									
Dimension W×D×H (mm)	250×828×868					360×828×868			
Net Weight (kg)	115/57	170/63	171/64	223/71	73	118	122	130	
Noise Suppression	Complies with EN62040-2								
Safety	IEC/EN62040-1,IEC/EN60950-1								
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,								

Specifications are subject to change without notice .

7/29 Jersey Road, Bayswater VICTORIA 3153 | 03 9720 8708 | : sales@thytec.com.au | thytec.com.au