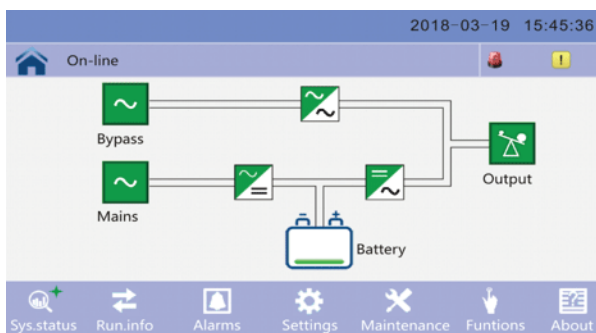


Online Transformerless UPS

50 - 200 kVA

Long run units
with external batteries

3:3 Phase, PF 1.0



7" Touch LCD display



High reliability design

- Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage ≥ 305 Vac. Online double conversion with DSP control High reliability design-

Power saving

- High input power factor, it can be up to 0.99.
- 3-level inverter topology, the efficiency can be up to 95.5%

Parallel redundancy function

- Support parallel expanded operation: maximum is 6 units.
- Support sharing batteries for the UPS in parallel.

Flexible battery configuration

- Batteries number of each group can be selected from 30 pieces to 50 pieces.
- Large charging current can meet the requirement of long time backup.

Strong load capacity

- Output power factor is 1.0, UPS can supply power to 100% unbalance load.
- High adaptability for load, it can connect full inductive load or capacitive load.

Compatible with generator

- Power Walk In function, it can reduce the start current impact to system, and it can reduce the capacity of generator.

LBS function

- LBS function can realize 2 independent UPS system work in
- synchronization, and it enhances the reliability of the system.

Intelligent management

- Support USB, RS485, RS232, SNMP, dry contact card.

MODEL		UPS50YH330T	UPS80YH330T	UPS100YH330T	UPS120YH330T	UPS160YH330T	UPS200YH330T
Capacity (VA / Watts)		50 kVA / 50 kW	80 kVA / 80 kW	100 kVA / 100 kW	120 kVA / 120 kW	160 kVA / 160 kW	200 kVA / 200 kW
Phase		3:3 Phase					
INPUT							
Nominal voltage		380 / 400 / 415 Vac; (3 Ph + N + PE)					
Operating voltage range		138~485Vac for 40% load; 305~485Vac for full-load					
Operating frequency range		40~70Hz (50/60Hz Auto-Sensing)					
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-20%,-30%)					
Frequency protection range		50/60Hz±10%					
Generator input		Support					
OUTPUT							
Output voltage		380 / 400 / 415 Vac (3Ph+N+PE)					
Power factor		1.0					
Voltage regulation		±1 %					
Frequency	Line mode (synchronized range)	±1 % / ±2 % / ±4 % / ±5 % / ±10 % of the rated frequency (optional)					
	Bat. mode	50 / 60 Hz ±0.2 Hz					
Crest factor		3:1					
Harmonic distortion (THDv)		≤ 2 % THD (Linear load)					
		≤ 4 % THD (non-linear load)					
Waveform		Pure sinewave					
Efficiency		> 95.5 %					
Transfer time		Utility to batttery : 0 ms. Utility to bypass: 0 ms					
BATTERY							
Battery voltage		Optional Voltage: ±180/±192/±204/±216/±228/±240/±252/±264/±276/±288/±300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional); 360Vdc~600Vdc (30~50pcs, 30pcs default, 36~50pcs output power factor 1.0; 32~34pcs output power factor 0.9; 30pcs output power factor 0.8)					
Capacity		Optional External Battery Cabinet					
Charging current (max.)		20A	40A			60A	
SYSTEM FEATURES							
Transfer time		Utility to battery: 0ms; Utility to bypass: 0ms					
Backfeed protection		Hold whole system					
Alarm		Overload, utility abnormal, UPS fault, battery low, etc					
Protection		Short circuit, overload, over temperature, battery low, fan fault alarm					
Self-diagnostics		Upon power on & software control					
Battery		Advanced battery management					
Audible & visual alarms		Line failure, battery undervoltage, overload, system fault					
LED & LCD display		Line mode, backup mode, eco mode, bypass mode, battery undervoltage, battery bad, overload & UPS fault					
LCD display		Input voltage, input frequency, output voltage, output frequency, load percentage, battery voltage, inner temperature & remaining battery backup time					
MANAGEMENT							
Communication ports		USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional)					
OPERATING ENVIRONMENT							
Operating temperature		0 ~ 40 °C					
Storage temperature		-25 °C ~ 55 °C(without battery)					
Humidity range		0 ~ 95 % (Non-condensing)					
Altitude		<1500m, derating required when>1500m					
Noise level		< 58 dB	<60dB	< 62 dB		< 63 dB	< 66 dB
PHYSICAL FEATURES							
Dimensions (W * D * H) mm		250 x 828 x 868		442 x 850 x 1200			
Approx. net weight (kg)		80	140	160	170	205	220
STANDARDS							
Safety		IEC/EN62040-1, IEC/EN62477-1					
EMC		IEC/EN62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)					