

**KSTAR**



HPM3300E-T Series  
(200~1200kVA)

## HPM3300E-T Series ▶▶

Online Transformerless UPS series

Mode: 3 phase input and 3 phase output

Power range : 200 ~ 1200kVA (3-Level PF: 1.0)



### High reliability

- Wide input voltage range, line voltage range is 138–485V, UPS will derate to 40% when input voltage is below 305V
- Thickened conformal coating, applicable for harsh environment such as high heat, high humidity, dust

### Green and power saving

- High input power factor, it is up to 0.99
- 3-level topology design, efficiency is up to 96%
- THDi < 3% (100% linear load)
- The UPS will work in sleeping mode when the load is very small

### LBS function

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

### Compatible with generator

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

### Intelligent management

- With 7 inches (Standard) and 10 inches (Optional) colorful touch LCD screen
- Support recording and exporting history logs and fault logs
- Support SNMP, RS232, RS485, BMS, Dry contact interface

### VRLA&Lithium battery supportable

- Compatible with VRLA or lithium battery

### Parallel redundancy function

- Support parallel expanded operation: maximum is 8 units
- Support sharing batteries for the UPS in parallel

### Strong load capacity

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

## Technical Specifications:

Model	HPM3300E-200-T	HPM3300E-250-T	HPM3300E-300-T	HPM3300E-400-T	HPM3300E-500-T	HPM3300E-600-T	HPM3300E-800-T	HPM3300E-1000-T	HPM3300E-1200-T
Capacity	200kVA	250kVA	300kVA	400kVA	500kVA	600kVA	800kVA	1000kVA	1200kVA

### INPUT

Nominal voltage	380/400/415Vac, (3Ph+N+PE)								
Operating voltage range	138 ~ 305Vac for 40% Load; 305 ~ 485Vac for 100% Load;								
Operating frequency range	40Hz~70Hz								
Power factor	≥0.99								
Harmonic distortion (THDi)	≤3% (100% 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 -10%, -15%, -20%, -30%)								
Bypass frequency tracking range	±10%								
Power walk in	Support								
Generator input	Support								

### OUTPUT

Rated voltage	380/400/415Vac, (3Ph+N+PE)								
Power factor	1.0								
Voltage regulation	±1%								
Output frequency	Line mode	Synchronize with input, when the input frequency > ±10% ( ±1%/±2%/±4%/±5% optional), output 50/60 (±0.1Hz)							
	Bat. mode	(50/60±0.1%)Hz							
Crest factor	3:1								
Harmonic distortion (THDv)	≤2% with linear load; ≤4% with nonlinear load								
Efficiency	Up to 96%								

### BATTERY

Battery voltage	360Vdc ~ 600Vdc								
Battery type	VRLA / Li								
Power module charge current	80A (Max.)	100A (Max.)	140A (Max.)	180A (Max.)	200A (Max.)	280A (Max.)	360A (Max.)	400A (Max.)	

### SYSTEM FEATURES

Transfer time	Utility to Battery: 0ms; Utility to bypass: 0ms								
Overload	Inverter mode	≤110% 60min, ≤125% 10min, ≤150% 1min, >150% 1.2s shut down inverter							
	Bypass mode	30°C: 135% for long term; 40°C: 125% for long term; >1000%, 100ms							
Overheat	Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately								
Low battery voltage	Alarm and Switch off								
Self-diagnostics	Upon Power On and Software Control								
Backfeed protection	Support								
EPO (Optional)	Shut down UPS immediately (Turn to bypass optional)								
Battery	Advanced Battery Management								
Noise suppression	Complies with EN62040-3								
Audible & visual alarms	Line Failure, Battery Low, Overload, System Fault								
Status LED & LCD display	Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault								
Reading on the LCD display	Input, Output, Battery, Command, Setting, Maintenance								
Communication interface	RS232, RS485, Parallel, LBS, BMS, Dry contact port, Relay card(Optional), SNMP card(Optional), Battery temperature sensor(Optional)								

### ENVIRONMENTAL

Operating temperature	0°C ~ 40°C								
Storage temperature	-25°C ~ 55°C								
Humidity range	0 ~ 95% (Non condensing)								
Altitude	< 1000m, derating required when > 1000m								
Noise level	<63dB	<65dB	<70dB	<70dB	<73dB	<73dB	<73dB	<74dB	<74dB

### PHYSICAL

Dimension W × D × H (S/F)	600 × 850 × 2000mm		1200 × 850 × 2000mm		2000 × 850 × 2000mm		2200 × 850 × 2000mm		
Net weight	406kg	440kg	460kg	548kg	956kg	1060kg	1422kg	1658kg	1980kg

### STANDARDS

Safety	IEC/EN 62040-1, IEC/EN 62477-1								
EMC	IEC/EN 62040-2 (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)								

S : Without or only with one maintenance bypass breaker

F : With mains, bypass, maintenance bypass and output breakers

1. Specifications are subject to change without prior notice

2. Data above are typical values for reference only, not as a basis for engineering design

# KSTAR

Stock code: 002518

Add: 4/F, No.1 Bldg. Software Park, Keji C. Rd. 2nd, Hi-Tech Industrial Zone, Shenzhen 518057, P.R.China

Website: [www.kstar.com](http://www.kstar.com) E-mail: [sales@kstar.com](mailto:sales@kstar.com)