Technical Specifications:

Model		HPM3300E-500-T	HPM3300E-600-T	HPM3300E-800-T	HPM3300E-1000-T	HPM3300E-1200-T
Capacity (VA)		500	600	800k	1000k	1200k
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%/ ± 3%/ ± 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 96.5%				
BATTERY						
Battery voltage	VRLA battery	360Vdc~600Vdc (30~50pcs continuously adjustable, 30pcs default, 36~50pcs no power derating; 32~35pcs output power factor 0.9; 30/31pcs output power factor 0.8)				
	Lithium battery	512Vdc				
Power module charge current		180A (Max.)	200A (Max.)	280A (Max.)	360A (Max.)	400A (Max.)
SYSTEM FEATURES						
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms				
Overload	Line mode	≤110%, 60min; ≤125%, 10min; ≤150%,1min to bypass; >150%, shut down immediately				
	Bypass mode	30℃: 135% overload for long term; 40℃: 125% overload for long term; >1000% overload for 100 ms				
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℃ ~ 40℃				
Storage temperature		-25℃ ~ 55℃				
Humidity range		0 ~ 95% (non condensing)				
Altitude		<1500m, derating required when >1500m				
Noise level		<70dB	<73dB	<74dB		
PHYSICAL						
Dimension W × D × H (mm)	S	1200 × 850 × 2000		2000 × 850 × 2000		2200 × 850 × 2000
	F					
Net weight (kg)		956	1060	1422	1658	1880
STANDARDS						
Safety		IEC/EN62040-1, IEC/EN62477-1				
EMC		IEC/EN62040-2 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8)				

Specifications are subject to change without prior notice.
S: Without or only with one maintenance bypass breaker
F: With mains, bypass, maintenance bypass and output breakers

KLi Lithium-ion Battery System

Product features

- Professional lithium pack team and automated product line, providing more reliable products and delivering higher adaptability to UPS operating characteristics
- Three-level intelligent BMS with multiple protection and communication functions, ensuring reliability and meeting the requirements for remote real-time monitoring
- Equipped with intelligent monitoring present to display battery real-time information
- Two-level fire protection of cabinet and module ensures the safety of data center
- Prolonged service life up to 15 years, more than 3500 cycles of cycle life
- Modular design, with most models supporting the parallel use of multiple modules, parallel cabinet number up to 12, offering more flexible autonomy time selection
- Maintenance free, reducing maintenance costs

Comparison of LFP and VRLA

Items / Battery Type	Volume	Footprint	Weight	Cycle life	Operating temperature	Intelligent monitoring
LFP	3m³	1.5m²	2500kg	>2000	-20~65℃	Three-level BMS
VRLA	10m³	6m²	10000kg	<500	0~40℃	Need extra battery monitoring module

*Volume, footprint and weight are beased on 400kW load@20mins backup time.