



# CM1 HPM3300

**10 ~ 1560 kVA.  
for Data Centers.  
Process Industry.  
Infrastructure.**



**CM1 HPM3300  
10 ~1560kVA  
Decentralized Parallel Modular**



# CM1 HPM3300

10 ~ 1560 kVA.

for Data Centers

Process Industry

Infrastructure



The CM1 HPM3300 modular online UPS series, featured with DSP control, decentralized parallel structure, Modular N+X Parallel Redundancy, touch-screen LCD display, Hot swappable, programmable battery voltage, 3-level intelligent charge modes with settable charge current, Megatec/Modbus protocol, is an ideal solution to your PC, workstation, server, bank, industrial equipment, Internet data center, telecom, IT equipments and other mission-critical application, which is demanding for a thorough protection.

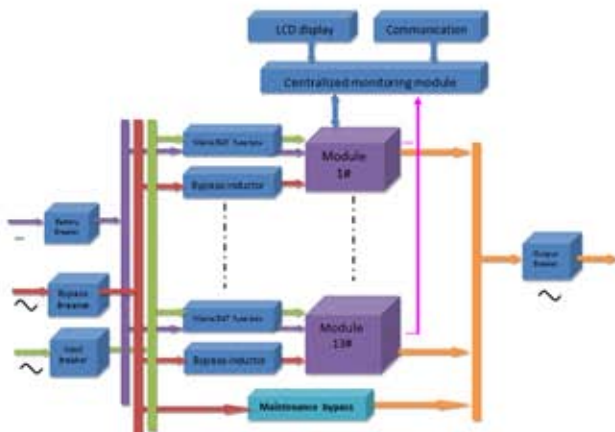


Decentralized Parallel Structure with Hot-swappable feature



## FEATURES

- Decentralized Parallel Structure with Hot-swappable feature
- Modular N+X Parallel Redundancy
- DSP-controlled Technology
- Unity Input Power Factor with Low Input Current Distortion & High Efficiency
- Parallel up to Four Frames
- Fit into standard 19" Rack Cabinet
- Touch-screen LCD display for user's friendly operation
- High Power Density up to 520KVA per rack for space saving
- Invest as You Grow
- Compact in size, only 3U height
- Superior MTBF and MTTR
- Emergency Power Off device can be operated on site or remotely
- Common Battery
- Programmable Battery Voltage
- 3-level Intelligent Charge Modes with smart charge current adjustment
- Megatec/Mod Bus protocol supported
- Powerful charger built in Modular and UPS frame
- Versatile communication interfaces provided for different applications
- Matching battery modular also available



HPM Frame Diagram



Modules:  
10 ~ 40 kVA



Touch-screen LCD display





Model			HPM3320-60K	HPM3320 -100K	HPM3320-200K
Capacity	UPS Cabinet		10~60kVA	10~100kVA	10~200kVA
			9~54kW	9~90kW	9~180kW
	UPS Module		10kVA/9kW; 15kVA/13.5kW; 20kVA/18kW		
Input	Phase		3 Phase 4 Wires and Ground		
	Rated Voltage		380/400/415Vac		
	Voltage Range		208~478Vac		
	Frequency Range		40Hz-70Hz		
	Power Factor		≥0.99		
	Current THDi		≤3%(100% nonlinear load)		
	Bypass Voltage Range		400V: +20%(optional +10%, +15% ) 415V: +15 %( optional +10%) Min. voltage: -45% (optional -20%, -30%) Frequency protection range: ±10%		
	Generator Input		Support		
Output	Phase		3 Phase 4 Wires and Ground		
	Rated Voltage		380/400/415Vac		
	Power Factor		0.9		
	Voltage Regulation		±1%		
	Frequency	Utility Mode	±1%,±2%,±4%,±5%,±10% of the rated frequency(optional)		
		Battery Mode	(50/60±0.2%)Hz		
	Crest Factor		3:01		
	THD		≤2% with linear load                      ≤5% with non linear load		
Efficiency			95.5% at normal mode		
Battery	Voltage		±192V±204V±216V±228V±240V DC; battery quantity(optional)		
	Charging Current	UPS Cabinet	18A Max.	30A Max.	60A Max.
		UPS Module	6A Max.		
		charge current can be set according to battery capacity installed			
Transfer Time			Utility to Battery : 0ms; Utility to bypass: 0ms		
Protection	Overload	AC Mode	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% turn to bypass mode immediately.		
		Bat. Mode	Load≤110%: last 10min≤125%: last 1min, ≤150%: Last 1S, ≥150% shut down UPS immediately.		
Communication Interface			RS232, RS485, Intelligent slot x 2, Dry Contact		
Environment	Operating Temperature		0℃~40℃		
	Storage Temperature		-25℃~55℃		
	Humidity		0~95% non condensing		
	Altitude		< 1500m		
Standars	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, IEC61000-4-8		
HPM 3/3 Module					
Model	Description			Dimension(WxHxD)	Net Weight(Kg)
HPM3310-RM	10KVA 3/3 Module			443x131x580mm 3U	26.0
HPM3315-RM	15KVA 3/3 Module			443x131x580mm 3U	30.0
HPM3320-RM	20KVA 3/3 Module			443x131x580mm 3U	31.0
HPM UPS Frame					
Model	Description	Application	Dimension(WxHxD)m	Net Weight(Kg)	
HPM3320-60K	30/45/60KVA	4 x 10k or 4 x 15k or (3+1) x20kVA modules (3pcs for power upgrade + 1pcs for redundancy)	600x1400x840	149kgs	
HPM3320-100K	50/75/100KVA	for max. 5 x 10/15/20KVA Modules	600x1400x840	170kgs	
HPM3320-200K	100/150/200KVA	for max. 10 x 10/15/20KVA Modules	600x2000x1100	230kgs	

Specification subject to change without prior notice

Model			HPM3330-90K	HPM3330-150K	HPM3330-300K
Capacity	UPS Cabinet		25~90KVA 22.5~81KW	25~150KVA 22.5~135KW	25~300KVA 22.5~270KW
	UPS Module		25KVA/22.5KWV ; 30KVA/27KW		
Input	Phase		3 Phase 4 Wires and Ground		
	Rated Voltage		380/400/415Vac		
	Voltage Range		208~478Vac		
	Frequency Range		40Hz-70Hz		
	Power Factor		≥0.99		
	Current THDi		≤3%(100% nonlinear load)		
	Bypass Voltage Range		380V: +25%(optional +10%, +15%, +20% )		
			400V: +20%(optional +10%, +15% )		
			415V: +15%(optional +10%)		
			Min. voltage: -45% (optional -20%, -30%)		
			Frequency protection range: ±10%		
	Generator Input		Support		
Output	Phase		3 Phase 4 Wires and Ground		
	Rated Voltage		380/400/415Vac		
	Power Factor		0.9		
	Voltage Regulation		±1%		
	Frequency	Utility Mode	±1%,±2%,±4%,±5%,±10% of the rated frequency(optional)		
		Battery Mode	(50/60±0.2%)Hz		
	Crest Factor		3:01		
	THD		≤2% with linear load		
≤5% with non linear load					
Efficiency			95.5% at normal mode		
Battery	Voltage		±192V±204V±216V±228V±240V DC; battery quantity(optional)		
	Charging Current	UPS Cabinet	30A Max.	50A Max.	100A Max.
		UPS Module	10A Max.		
		charge current can be set according to battery capacity installed			
Transfer Time			Utility to Battery : 0ms; Utility to bypass: 0ms		
Protection	Overload	AC Mode	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min,≥150% turn to bypass mode immediately.		
		Bat. Mode	Load≤110%: last 10min≤125%: last 1min,≤150%: last 1S,≥150% shut down UPS immediately.		
Communication Interface			RS232, RS485, Intelligent slot x 2, Dry Contact		
Environment	Operating Temperature		0°C~ 40°C		
	Storage Temperature		-25°C~ 55°C		
	Humidity		0~ 95% non condensing		
	Altitude		< 1500m		
Standars	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, EC61000-4-8		
HPM 3/3 Module					
Model			Description		Net Weight(Kg)
HPM3325-RM			443x131x580mm 3U		32kgs
HPM3330-RM			443x131x580mm 3U		30,5kgs
HPM UPS Cabinet					
Model		Description	Application	Dimension(WxHxD)mm	Net Weight(Kg)
HPM3330-90K		90KVA UPS Cabinet	for max. 3+1 x 25/30KVA Modules (3pcs for power upgrade + 1pc for redundancy)	600x1400x840	158kgs
HPM3330-150K		150KVA UPS Cabinet	for max. 5 x 25/30KVA Modules	600x1400x840	170kgs
HPM3330-300K		300KVA UPS Cabinet	for max. 10 x 25/30KVA Modules	600x2000x840	307kgs

Specification subject to change without prior notice



**CM1 Decentralized Parallel Modular HPM3300 Series**


Model			HPM3340-200K	HPM3340-320K	HPM3340-520K	
Capacity (VA/W)	UPS Cabinet		200KVA / 180KW	320KVA / 288KW	520KVA / 468KW	
	HPM Module		40KVA / 36KW			
Input	Phase		3 Phase 4 Wires and Ground			
	Rated Voltage		380/400/415Vac			
	Voltage Range		208~475Vac			
	Frequency Range		40Hz-70Hz			
	Power Factor		≥0.99			
	Current THDI		≤2%(100% nonlinear load)			
	Bypass Voltage Range		220V: +25%(optional +10%, +15%, +20% ) 230V: +20%(optional +10%, +15% ) 240V: +15%(optional +10%) Min. voltage: -45% (optional -20%, -30%) Frequency protection range: ±10%			
	Generator Input		Support			
Output	Phase		3 Phase 4 Wires and Ground			
	Rated Voltage		380/400/415Vac			
	Power Factor		0.9			
	Voltage Regulation		±1%			
	Frequency	Utility Mode	±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency(optional)			
		Battery Mode	(50/60±0.1%)Hz			
	Crest Factor		3:1			
	THD		≤2% with linear load ≤5% with non linear load			
Waveform		Pure Sinewave				
Efficiency			≥ 95% at normal mode			
Battery	Voltage		±192V±204V±216V±228V±240V DC; battery quantity(optional)			
	Charging Current	UPS Cabinet	50A Max. (charge current can be set according to battery capacity installed)	80A Max. (charge current can be set according to battery capacity installed)	130A Max. (charge current can be set according to battery capacity installed)	
		HPM Module	10A Max. (charge current can be set according to battery capacity installed)			
Transfer Time			Utility to Battery : 0ms; Utility to bypass: 0ms			
Protection	Overload	AC Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% immediately transfer to bypass			
		Bat. Mode	Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 1S, ≥150% shut down UPS immediately			
		Bypass Mode	Breaker 400A	Breaker 500A	Breaker 800A	
	Short Circuit		Hold Whole System			
	Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately			
	Battery Low		Alarm and Switch off			
	Self-diagnostics		Upon Power On and Software Control			
	EPO(optional)		Shut down UPS immediately			
	Battery		Advanced Battery Management			
	Noise Suppression		Complies with EN62040-2			
Alarms	Audible & Visual		Line Failure, Battery Low, Overload, System Fault			
Display	Status LED & LCD		Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault			
	Reading On the LCD		Input,Output, Battery,Command,Setting,Maintenance			
Communication Interface	UPS Cabinet		RS232, RS485, Parallel, Intelligent slot, Relay card(optional), SNMP card(optional),Battery temperature sensor(optional)			
Environment	Operating Temperature		0℃~40℃			
	Storage Temperature		-25℃~55℃			
	Humidity		0~95% non condensing			
	Altitude		< 1500m			
	Noise		<76dB(at 1 meter)			
Standars	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, EC61000-4-8			
HPM 3/3 Module						
Model			Description		Net Weight(Kg)	
HPM3340-RM			443x131x580mm 3U		38.0	
HPM UPS Cabinet						
Model			Description	Application	Dimension(WxHxD)mm	Net Weight(Kg)
HPM3340-200K			200KVA UPS Cabinet	for max. 5 x 40KVA Modules	600x1600x860	205kgs
HPM3340-320K			320KVA UPS Cabinet	for max. 8 x 40KVA Modules	600x2000x860	310kgs
HPM3340-520K			520KVA UPS Cabinet	for max. 13 x 40KVA Modules	1200x2000x860	450kgs

Specification subject to change without prior notice