

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

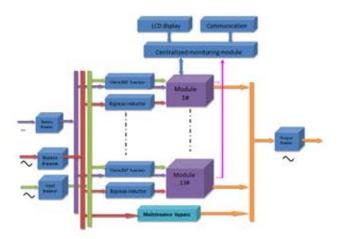
Megatec/Mod Bus protocol supported

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



CM1 Decentralized Parallel Modular HPM3300 Series



	Model		HPM3320-60K	HPM3320 -100K	HPM3320-200K		
0	UPS Cabinet		10~60kVA	10~100kVA	10~200kVA		
Capacity	UPS N	lodula	9~54kW	9~90kW W; 15kVA/13.5kW; 20k	9~180kW		
		ase		Phase 4 Wires and Groun	***		
		No. of Concession, Name of Street, or other Persons, Name of Street, Name of S		380/400/415Vac			
	Rated Voltage Voltage Range			208~478Vac			
	The second statement of	ncy Range		40Hz-70Hz			
	Power Factor			≥0.99			
Input	Current THDi		≤	3%(100% nonlinear load)		
			400V: +20%(optional +10%, +15%)				
	Bypass Volt	tage Range	415V: +15 %(optional +10%)				
			Min. voltage: -45% (optional -20%, -30%)				
			Frequency protection range: ±10%				
	Gene	rator Input		Support			
	Pha	ase	3 F	Phase 4 Wires and Groun	nd		
	Rate	ed Voltage		380/400/415Vac			
		er Factor		0.9			
	Voltage	Regulation		±1%			
0		Utility	140/ 120/ 140/ 1	EO/ 1400/ of the retail fre	(tltl		
Output	Frequency	Mode	±1%,±2%,±4%,±5%,±10% of the rated frequency(optional)				
	Frequency	Battery		(50/60±0.2%)Hz			
		Mode		25			
	Cres	st Factor		3:01			
	TH	4D	≤2% with linear	load ≤5% with	non linear load		
Efficiency			- 500 STP100 Page 27 - 10 STP 27 - 1	95.5% at normal mode	The Control of the Co		
Lineitricy							
	Volt	age	±192V\±204V\±216V	\±228V\±240V DC; batter	ry quantity(optional)		
		UPS	18A Max.	30A Max.	60A Max.		
Battery	Charging Current	Cabinet	, o, i i i o, i	our thinns			
		UPS	6A Max.				
	- Commence of	Module	charge current can be set according to battery capacity installed				
Transfer Time				attery : Oms; Utility to byp	CONTRACTOR OF THE PARTY OF THE		
	0743800		Load≤110%: last 60min,≤125%; last 10min,≤150%;				
<u> </u>	1200000000000	AC Mode		0% turn to bypass mode			
Protection	Overload		Load≤110%: last 10min≤125%: last 1min, ≤150%:				
		Bat. Mode	Last 1S, ≥	150% shut down UPS im	mediately.		
Communication		(-)	RS232, RS	485, Intelligent slot x 2, D	ry Contact		
	Operating Temperature						
Environment		emperature	-25°C∼55°C				
		idity	0∼95% non condensing				
	Altitude		< 1500m				
Chandre	Sat	fety	IEC/EN62040-1,IEC/EN60950-1 IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000				
Standars	EN	AC .			1000-4-4, IEC6100		
		2.000	HPM 3/3 Module	1000-4-0, IEC6	1000-4-0		
Model		Descr		Dimension(WxHxD)	Net Weight(Kg)		
HPM3310-RM	-	10KVA 3/	Acceptable to the second secon	443x131x580mm 3U	26,0		
HPM3315-RM		15KVA 3/	Water Company of the	443x131x580mm 3U	30,0		
HPM3320-RM		20KVA 3/		443x131x580mm 3U	31,0		
	Çir.		HPM UPS Frame	Market and the state of the sta	9		
Model	Descr	iption	Application	Dimension(WxHxD)m m	Net Weight(Kg)		
HPM3320-60K	30/45/60KVA		4 x 10k or 4 x 15k or				
			(3+1) x20kVA modules				
			(3pcs for power	600x1400x840 149kgs			
			upgrade + 1pcs for				
			redundancy)				
UBM2220 4001	EAGE	001/14	for max. 5 x	600v4400v040	170kes		
HPM3320-100K	50/75/1	00KVA	10/15/20KVA Modules	600x1400x840	170kgs		
	100/150	/200KVA	for max. 10 x	600x2000x1100	230kgs		
HPM3320-200K	11300 1300		10/15/20KVA Modules				

Specification subject to change without prior notice

CM1 Decentralized Parallel Modular HPM3300 Series



	Model		HPM3330-90K 25~90KVA	HPM3330-150K 25~150KVA	HPM3330-300K 25~300KVA		
Capacity	U	S Cabinet	22.5~81KW	22.5~135KW	22.5~270KW		
		PS Module		25KVA/22.5KVW; 30KVA/27KW			
		Phase		3 Phase 4 Wires and Ground			
	Ra	ted Voltage		380/400/415Vac			
	Vo	tage Range		208~478Vac			
	Freq	uency Range	40Hz-70Hz				
	Po	wer Factor	≥0.99				
	C	urrent THDi	≤3%(100% nonlinear load)				
Input			380V: +25%(optional +10%, +15%, +20%)				
			400V: +20%(optional +10%, +15%)				
	Bypass	Voltage Range	415V: +15%(optional +10%)				
3			Min. voltage: -45% (optional -20%, -30%)				
			Frequency protection range: ±10% Support				
	Ger	nerator Input					
		Phase		3 Phase 4 Wires and Ground			
		ted Voltage		380/400/415Vac			
		wer Factor		0.9			
	Volta	ge Regulation		±1%			
Output	Frequency		±1%,±2%,±4	%,±5%,±10% of the rated frequen	ncy(optional)		
		Battery Mode		(50/60±0.2%)Hz			
	C	rest Factor		3:01			
		THD		≤2% with linear load			
				≤5% with non linear load			
fficiency				95.5% at normal mode			
		Voltage	±192V\±204V\±	216V\±228V\±240V DC; battery qu	uantity(optional)		
Battery		UPS Cabinet	30A Max.	50A Max.	100A Max.		
battery	Charging	UPS Module		10A Max.			
	Current		charge current can be set according to battery capacity installed				
ransfer Time			Utility	to Battery : 0ms; Utility to bypass:	Oms		
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.				
omunication	Interface		RS232	, RS485, Intelligent slot x 2, Dry C	ontact		
Operating Temperature		0°C~40°C					
9 (1975) (1975)	-		-25°C∼55°C				
Environment	Storage Temperature						
	Humidity		0~95% non condensing ≤ 1500m				
	Altitude Safety		< 1500m IEC/EN62040-1,IEC/EN60950-1				
Standars		EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000 EC61000-4-8				
			HPM 3/3 Modul				
Model			Desc	Net Weight(Kg)			
HPM3325-RM		443x131x	580mm 3U	32kgs			
	HPM3330-	RM	443x131x	580mm 3U	30,5kgs		
			HPM UPS Cabin	et	The state of the s		
Model Descripti		Description	Application	Dimension(WxHxD)mm	Net Weight(Kg)		
Mod			for max. 3+1 x 25/30KVA				
Mode HPM3330	0-90K	90KVA UPS Cabinet	Modules (3pcs for power upgrade + 1pc for redundancy)	600x1400x840	158kgs		
(1340345)		(2.8 1 V 20 C 20 C 20 C 20 C	Modules (3pcs for power upgrade + 1pc for	600x1400x840 600x1400x840	158kgs 170kgs		

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CM1 Decentralized Parallel Modular HPM3300 Series



	Model		HPM334	0-200K	HPM3340-320K	нрмзз-	40-520K		
	UPS	Cabinet	200KVA /	180KW	320KVA / 288KW	520KVA	/ 468KW		
Capacity (VA/W)	нем	HPM Module			40KVA / 36KW				
	Pt	hase		3 Ph	ase 4 Wires and Gr	round			
Input	Rated	Rated Voltage		380/400/415Vac					
	Voltag	Voltage Range			208~478Vac				
		Frequency Range		40Hz-70Hz					
		Power Factor			≥0.99				
	Current THDi		≤2%(100% nonlinear load)						
	5.5110	Soliteri Tital		acid room nothings room					
	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						
	Pi	hase		3 Ph	ase 4 Wires and Gr	round			
	Rated	Voltage			380/400/415Vac				
	Power	Power Factor		0.9					
	Voltage !	Regulation			±1%				
Output		Utility Mode	±1%	6, ±2%, ±4%, ±5	5%, ±10% of the ra	ted frequency(option	nal)		
Output	Frequency	Battery Mode		±1%, ±2%, ±4%, ±5%, ±10% of the rated frequency(optional) (50/60±0.1%)Hz					
1	Crest	t Factor			3:1				
9		1000 F			≤2% with linear load	d			
		HD		≤5	5% with non linear lo	oad			
	Way	veform			Pure Sinewave				
Efficiency	1			2	95% at normal mod	ie			
	Vo	itage	±19	2V\±204V\±216V\±	228V\±240V DC: be	attery quantity(option	ent)		
Battery	Charging Current	UPS Cabinet	50A Max. (charge c according to battery		80A Max. (charge current can be set according to battery capacity installed)	130A Max. (charge according to batter			
		HPM Module	10A Max.	(charge current co		to battery capacity i	nstalled)		
Transfer Time				Utility to Bat	tery : Oms; Utility to	bypass: 0ms			
		AC Mode		Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% immediately transfer					
	Overload	Bat. Mode	bypass Load≤110%; last 10min, ≤125%; last 150%; last 15, ≥150% shut down UPS immediately						
		Bypass Mode	Breaker	400A	Breaker 500A	Breake	A008 re		
1	Short Circuit			1	Hold Whole System	1			
Protection	Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately						
	Batte	Battery Low			Alarm and Switch of	п			
	Self-diagnostics		Upon Power On and Software Control						
	EPO(d	EPO(optional)		Shut down UPS immediately					
9		Battery		Advanced Battery Management					
1	Noise Suppression		Complies with EN62040-2						
Alarms		Audible & Visual Line Failure, Battery Low, Overload, System Fault							
		ED & LCD	Line Mod				DS Fault		
Display		No. of Contract of	Cirie mioc	Line Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Fault Input, Output, Battery, Command, Setting, Maintenace					
2 0 00 00 00 00 00 00 00 00 00 00 00 00	Reading	On the LCD		The second second	OT A IVERTAL VOICE LAND	INTERNATION STATE			
Interface	UPS	Cabinet	RS232, RS485, 1		perature sentor(opti	tional), SNMP card(c onal)	optional),Battery		
	Operating	Temperature	0°C~40°C						
	Storage T	Temperature	-25°C~55°C						
Environment	_	midity		0~95% non condensing					
		itude		-					
3			< 1500m						
	Noise		<76dB(at 1 meter)						
Standars	Se	afety	IEC/EN62040-1,IEC/EN60950-1						
Standars 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		2.271.000				
	Model		1	Descr	ription		Net Weight(K		
	HPM3340-RM			443x131x	580mm 3U		38,0		
			HPM UPS	Cabinet					
			Description	Appli	cation	Dimension(WxH xD)mm	Net Weight(K		
	Model					52 Service COSS			
	Model HPM3340-200K	§	200KVA UPS	for max. 5 x 46	OKVA Modules	600x1600x860	205kgs		
				105/03/103/05/52 ASK	OKVA Modules	600x1600x860 600x2000x860	205kgs 310kgs		

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