

M Series

10-300kVA Modular UPS



Power range

10~300kVA



Operation

3P/3P,3P/1P,1P/1P,Online double conversion



Applications

Government, Finance, IT, Education, Transportation, Broadcasting, Medical, Energy, etc.



Characteristics

- 7/10 inch touch LCD, with IoT functions.
- Supports 3P/1P,1P/1P flexibility configuration.
- High reliability and environmental adaptability, with protection of components level.
- No disassembly, direct mounted in 19 inch rack, or stand alone.
- Extreme high power density,30kW in 2U, friendly for space and maintenance.
- Supports supercharging, satisfy high-capacity lithium batteries.



Model		MOD10E				MOD20E			
		AC020/10E	AC040/10E	AC060/10E	AC100/10E	AC040/20E	AC080/20E	AC120/20E	AC200/20E
Rate Power		20kVA	40kVA	60kVA	100kVA	40kVA	80kVA	120kVA	200kVA
Main input	Input	3P5W (3P+N+PE)							
	Rate Voltage	380/400/415VAC(L-L)							
	Rate Freq.	50/60Hz							
	Input PF	>0.99							
	Current distortion	THDi<2%(100% Linear load)							
	Voltage range	MOD10-25E: 304~478VAC(L-L)full load; 304~228VAC (L-L) power derate from 100% to 50%							
		MOD30E: 324~478VAC(L-L)full load; 324~228VAC (L-L) power derate from 100% to 50%							
Freq. range		40-70Hz							
Battery	Rate voltage	±120VDC(default 20pcs,20-50pcs selected)				±240VDC(default 40pcs,30-50pcs selected)			
	Charging capacity	50%*Pout (Limited by input current)							
	Charging accuracy	±1%							
Bypass	Rate voltage	380/400/415VAC(L-L)							
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%;							
	Overload	110%, long time operation;110%< load<125%, 10 mins 125%<load<150%,1 min							
Inverter	Rate voltage	380/400/415VAC(L-L)							
	Rate Freq.	50/60Hz							
	Output PF	1							
	Voltage accuracy	±1.0%							
	Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)							
	Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms							
	Frequency accuracy	0.1%							
	Synchronize window	Settable, ±0.5Hz-±5Hz, default ±3Hz							
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S							
Phase Accuracy	120°±0.5°								
System	Efficiency-normal mode	up to 97%							
	Display	LED + 7 inch touch LCD							
	Certification- Safety	IEC62040-1, IEC60950-1							
	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)							
	IP degree	IP20							
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter, Ethernet port							
	Option	SNMP card, AS400 card, SPD, Parallel kit							
	Environment	0-40℃(operation); -25℃~70℃(storage); 0-95% (Humidity, non-condensing)							
	Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load							
Module	Dimension (W*D*H)mm	400*495*86							
	Weight(kg)	12.65				13.85			
	Cabinet	2-Slots		2-Slots with 4 breakers		4-Slots (10kVA power module)		4-Slots	
		AC020/10E;AC040/20E;AC050/25E				AC040/10E		AC080/20E;AC100/25E	
Dimension (W*D*H)mm	Body dimention (Wheels not included)	442*711*307(7U)		442*711*396(9U)		442*710*485(11U)		442*661*705(16U)	
	MAX dimension	442*751*307		442*751*485		442*751*575		442*841*797	
Weight(kg) Cabinet		39		45		52		64	

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Model		MOD25E				MOD30E		
		AC050/25E	AC100/25E	AC150/25E	AC250/25E	AC120/30E	AC150/30E(5+1)	AC300/30E
Rate Power		50kVA	100kVA	150kVA	250kVA	120kVA	150kVA	300kVA
Main input	Input	3P5W (3P+N+PE)						
	Rate Voltage	380/400/415VAC(L-L)						
	Rate Freq.	50/60Hz						
	Input PF	>0.99						
	Current distortion	THDi<2%(100% Linear load)						
	Voltage range	MOD10-25E: 304~478VAC(L-L)full load; 304~228VAC (L-L) power derate from 100% to 50%						
		MOD30E: 324~478VAC(L-L)full load; 324~228VAC (L-L) power derate from 100% to 50%						
	Freq. range	40-70Hz						
Battery	Rate voltage	±240VDC(default 40pcs,30-50pcs selected)						
	Charging capacity	50%*Pout (Limited by input current)						
	Charging accuracy	±1%						
Bypass	Rate voltage	380/400/415VAC(L-L)						
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%;						
	Overload	110%, long time operation;110%< load<125%, 10 mins 125%<load<150%,1 min						
Inverter	Rate voltage	380/400/415VAC(L-L)						
	Rate Freq.	50/60Hz						
	Output PF	1						
	Voltage accuracy	±1.0%						
	Output THDu	<1%(linear load),<5% (non-linear load according to IEC 62040-3)						
	Overload	110%,1 hour; 125%,10 mins; 150%,1 min; >150%,200ms						
	Frequency accuracy	0.1%						
	Synchronize window	Settable, ±0.5Hz±5Hz, default ±3Hz						
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S						
	Phase Accuracy	120°±0.5°						
System	Efficiency-normal mode	up to 97%						
	Display	LED + 7 inch touch LCD						
	Certification- Safety	IEC62040-1, IEC60950-1						
	Certification- EMS	IEC62040-2; IEC61000-4-2(ESD); IEC61000-4-3(RS); IEC61000-4-4 (EFT); IEC61000-4-5 (Surge)						
	IP degree	IP20						
	Configuration	USB, RS232, RS485, Dry contact, Cold start, Air filter						
	Option	SNMP card, AS400 card, SPD, Parallel kit						
	Environment	0-40℃(operation); -25℃~70℃(storage); 0-95% (Humidity, non-condensing)						
Module	Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load						
	Dimention (W*D*H)mm	400*495*86						
	Weight(kg)	13.95						
Cabinet		6-Slots		6-Slots with 4 breakers		10-Slots		10-Slots with 4 switches
		AC60/10E;AC120/20E; AC150/25E;AC150/30E(5+1)				AC100/10E;AC200/20E AC250/25E;AC300/30E		
Dimention (W*D*H)mm	Body dimention (Wheels not included)	442*661*906(20U)		442*661*1239(28U)		600*850*2000		
	MAX dimention	442*841*976		442*841*1331				
Weight(kg) Cabinet		88		98		143		158

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