

OGM Series

100~1200kVA Modular UPS @100KVA Power Module



Power range

100~1200kVA



Operation

3P/3P, Online double conversion



Applications

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



Characteristics

- Fully digital control, flexible and robust.
- 10 inch touch LCD, with IoT functions.
- High reliability and environmental adaptability, with protection of components level.
- Supports battery connection without Neutral.
- Maximum capacity of up to 3.2MW, the ideal choice for large data centers.

Specifications

Model	OG600/100E	OG800/100E	OG1200/100E	
Rate Power	600kVA	800kVA	1200kVA	
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%		
	Voltage range	304 ~ 478VAC(L-L)full load; 304 ~ 228VAC (L-L) power derate from 100% to 50%		
	Freq. range	40-70Hz		
Battery	Rate voltage	3 wires: ± 240 VDC / 2 wires: 480VDC		
	Charging capacity	Max. 15%*Pout		
	Charging accuracy	$\pm 1\%$		
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 >150%,1s		
Inverter	Rate voltage	380/400/415VAC(L-L)		
	Rate Freq.	50/60Hz		
	Output PF	1		
	Voltage accuracy	$\pm 1.0\%$		
	Output THDu	<1%(linear load),<3% (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, ± 0.5 Hz ± 5 Hz, default ± 3 Hz		
	Slew rate	Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S		
	Crest factor	3:1		
	Phase Accuracy	120 $\pm 0.5^\circ$		
	System	Efficiency	Up to 97%	
		Display	LED + 10 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)		
IPdegree		IP20		
Configuration		USB, RS232, RS485, Dry contact, Cold start, Air filter		
Option		SNMP card 、 AS400 card 、 Parallel kit 、 SPD、 Top air outlet		
Environment		0-40 $^\circ$ C(operation); -25 $^\circ$ C~70 $^\circ$ C(storage); 0-95% (Humidity, non-condensing)		
Noise(dB)(1 meter)		72dB @ 100% load, 68dB @ 45% load		
Dimension		Cabinet(W*D*H)mm	800*1000*2000	1200*1100*2000
	Module(W*D*H)mm	475*705*140		
Weight(kg)	Cabinet	380	624	
	Module	47		
Power Module rated capacity	100KW			

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OGM Series

50~600kVA Modular UPS @50KVA Power Module



Power range

50~600kVA



Operation

3P/3P, Online double conversion



Applications

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



Characteristics

- Fully digital control, flexible and robust.
- 7/10 inch touch LCD, with IoT functions.
- High reliability and environmental adaptability, with protection of components level.
- Supports battery connection without Neutral.
- Minimal footprint, standard width of 600mm, depth of all models only 750mm.

Specifications

Model	OG200/50A	OG300/50A	OG400/50A	OG600/50A
Rate Power	200kVA	300kVA	400kVA	600kVA
Main input	Input 3P5W (3P+N+PE)			
	Rate Voltage 380/400/415VAC(L-L);220/230/240VAC(L-N)			
	Rate Freq. 50/60Hz			
	Input PF >0.99			
	Current distortion THDi<2%			
	Voltage range 304 ~ 478VAC(L-L)full load; 304 ~ 228VAC (L-L) power derate from 100% to 50%			
	Freq. range 40-70Hz			
Battery	Rate voltage ± 240 VDC(default 40 PCS,30-50 PCS, selceted)			
	Charging capacity Max. 20%*Pout			
	Charging accuracy $\pm 1\%$			
Bypass	Rate voltage 380/400/415VAC(L-L);220/230/240VAC(L-N)			
	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);220/230/240VAC(L-N)			
	Rate Freq. 50/60Hz			
	Output PF 1			
	Voltage accuracy $\pm 1.0\%$			
	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, ± 0.5 Hz- ± 5 Hz, default ± 3 Hz			
	Slew rate Settable, 0.5Hz/S-3Hz/S, default 0.5Hz/S			
	Crest factor 3:1			
Phase Accuracy $120^\circ \pm 0.5^\circ$				
System	Efficiency Up to 96.5%			
	Display	LED + 7 inch touch LCD	LED + 10 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)			
	Certification- Pref. IEC62040-3			
	Configuration USB, RS232, RS485, Dry contact, Cold start, Air filter			
	Option SNMP card、AS400 card、Parallel kit、SPD			
	Environment 0-40°C(operation); -25°C~70°C(storage); 0-95% (Humidity, non-condensing)			
	Noise(dB)(1 meter) 72dB @ 100% load, 69dB @ 45% load			
	Dimension	Cabinet(W*D*H)mm	600*750*1600	600*750*2000
Module(W*D*H)mm		440*475*140		
Weight(kg)	Cabinet	170	220	320
	Module	23		
Power Module rated capacity 50KW				

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OGM Series

10~180kVA Modular UPS
@10-30KVA Power Module



Power range

10~180kVA

Operation

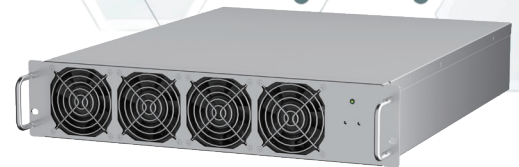
3P/3P Online double conversion

Applications

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

Characteristics

- 7 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.



Specifications

Model		MOD10E			MOD20E		
		OG020/10E	OG040/10E	OG060/10E	OG040/20E	OG080/20E	OG120/20E
Rate Power		20kVA	40kVA	60kVA	40kVA	80kVA	120kVA
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	Dimention (W*D*H)mm	400*495*86				
Weight(kg)		13.85					
Cabinet		2-Slots		4-Slots(10kVA power module)		4-Slots	
Model		OG020/10E;OG040/20E;OG050/25E		OG040/10E		OG080/20E;OG100/25E,OG120/30E	
Dimention (W*D*H)mm	Body dimention (Wheels not included)	442*711*307(7U)		442*710*485(11U)		442*661*705(16U)	
	MAX dimention	442*751*397		442*751*575		442*841*797	
Weight(kg) Cabinet		39		52		64	

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Specifications

Model	MOD25E			MOD30E	
	OG050/25E	OG100/25E	OG150/25E	OG120/30E	OG180/30E
Rate Power	50kVA	100kVA	150kVA	120kVA	180kVA
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				
Rate voltage	±240VDC(default 40pcs,30-50pcs selected)				
Battery	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)			
Noise(dB)(1 meter)	65dB @ 100% load, 62dB @ 45% load				
Module	Dimention (W*D*H)mm	400*495*86			
	Weight(kg)	13.85			
Cabinet	6-Slots				
Model	OG60/10E;OG120/20E; OG150/25E;OG180/30E				
Dimention (W*D*H)mm	Body dimention (Wheels not included)	442*661*906(20U)			
	MAX dimention	442*841*976			
Weight(kg) Cabinet	88				

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OGM Series

100~300kVA Modular UPS
@10 Slots



Power range

100~300kVA



Operation

3P/3P, Online double conversion



Applications

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



Characteristics

- 7 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.



Specifications

Model	OG100/10E	OG200/20E	OG250/25E	OG300/30E
Rate Power	100kVA	200kVA	250kVA	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			
Rate voltage	±240VDC(default 40pcs,30-50pcs selected)			
Battery	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°C (operation); -25°C~70°C(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)	13.85		
Cabinet	Dimension (W*D*H)mm	600*850*2000		
	Weight(kg)	143		

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OGM Series

30~150kVA Modular UPS
Internal 7/9Ah modular battery strips



Power range

30~150kVA



Operation

3P/3P, Online double conversion



Applications

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



Characteristics

- 10 inch touch LCD with IoT functions.
- High power density, small volume.
- High reliability and environmental adaptability.
- Optional full metal battery strips, with internal batteries capable of configuring up to 24 pcs battery strips.
- Standard configuration for mains input/output, maintenance bypass, battery breaker.



Specifications

Model	OG090B/30-240P	OG150B/30-240P	
Rate Power	90kVA	150kVA	
Main input	Input	3P5W (3P+N+PE)	
	Rate Voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)	
	Rate Freq.	50/60Hz	
	Input PF	>0.99	
	Current distortion	THDi<3%	
	Voltage range	304 ~ 478VAC(L-L)full load; 304 ~ 228VAC (L-L) power derate from 100% to 50%	
	Freq. range	40-70Hz	
Battery	Rate voltage	±240VDC	
	Model	UPS with internal batteries,12VDC/7~9Ah	
	Quantity	Battery strips	
	Charging capacity	Max. 20%*Pout	
	Charging accuracy	±1%	
Bypass	Rate voltage	380/400/415VAC(L-L)220/230/240VAC(L-N)	
	Voltage range	Range: -40%- +25% , Settable, default -20% ~ +15%	
	Frequency range	50/60Hz, Settable: ±1Hz, ±3Hz, ±5Hz	
Inverter	Rate voltage	380/400/415VAC(L-L); 220/230/240VAC(L-N)	
	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	
	Crest factor	3:1	
	Phase Accuracy	120°±0.5°	
	System	Efficiency	Up to 96%
		Display	LED + 10 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, Air filter	
Option		SNMP card, AS400 card, Parallel kit, Cold start	
Environment		0-40℃ (operation) ; -25℃~70℃ (storage) ; 0-95% (Humidity, non-condensing)	
Dimension	Cabinet (W*D*H) mm	600*1000*2000	
	Module(W*D*H) mm	440*678*86(2U)	
Weight(kg)	Cabinet(No include batteries)	260	
	Module	23	
Power module rated capacity	30KW		

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