

3 In/3 Out Online Low frequency MG series UPS



Product features

- 1. Digital control to achieve online double conversion
- 2. Built-in output isolation transformer
- 3. Industrial design is applied to all kinds of harsh conditions
- 4. Front maintenance design adapts to various load conditions
- 5. Up to 4 units can be operated in parallel
- 6. Rich communication interface,RS232,RS485,Dry contact,USB
- 7. DC start without mains

Application

- 1. Critical servers
- 2. Network station
- 3. Process control
- 4. Laboratory instruments
- 5. Data center front maintenance design
- 6. Medical instruments
- 7. Industrial equipment

Model		MG10S	MG20S	MG30S	MG40S	MG60S	MG80S	MG100S	MG120S	MG160S	MG200S
Capacity		10KVA/8KW	20KVA/12KW	30KVA/24KW	40KVA/32KW	60KVA/48KW	80KVA/64KW	100KVA/80KW	120KVA/96KW	160KVA/128KW	200KVA/160KW
Input											
Input Rated Voltage		3 x 380VAC/400VAC (3Ph+N)									
Input Voltage Range		285VAC~475VAC									
Input Frequency		50/60 Hz ±10%									
Output											
Output voltage		3 x 380VAC/400VAC(3Ph+N)									
Voltage stability		Steady:±1% Typical;Dynamic:±5% Typical load									
Frequency Range (Synchronization Correction)		50/60 Hz(Unbalanced load) ±1% ; (Mains power loss) ±0.1 Hz									
Frequency tracking rate		± 1Hz/s									
Waveform		Pure sine wave									
Total harmonic (THDv)		<2%(Linear load)									
Phase unbalance		120° ±1% (Linear load) ; 120° ±2% (Non-linear load)									
Dynamic adjustment time		<60ms recover to 90%									
Over load capacity		110%~150% can run for 10min~1min; 150% ~>160% can run for 1min-200ms; >160% can run for 200ms									
The peak factor		3:1									
Load power factor range		0.6-1									
Unbalanced output voltage 100% unbalanced load		<1%									
Protect or restrict.		Extremely heavy overload;Short circuit;Effective voltage limit;Impulse current;Peak voltage limit									
Machine efficiency	Online mode	89%	90%	91%	92%						
	Battery mode	90%	91%	92%	93%						
Bypass											
Type		Static switch									
Voltage		3x 380VAC/400VAC(3Ph+N)									
Frequency		50/60Hz									
Control mode		Microprocessor									
Inverter to bypass switching time		Synchronous mode: 0ms ; asynchronous mode: 10ms									
Overload capacity		150% ~ 180% 1h~30s; 180% ~>200% 30s~200ms; 200ms for >200%									
Switch to the bypass		Overload 160% : Switch immediately									
Cut back to the inverter		After the alarm is cleared, it will switch automatically									
Maintenance bypass											
Type		Uninterrupted									
Voltage		3x400V(3Ph+N)									
Frequency		50/60Hz									
Battery&Charging											
Quantities(12V)		29/30/31/32(Adjustable)									
Charging way		Optional: constant voltage charging/constant current charging									
Charging current		10A		20A~40A							
Battery type		Sealed lead-acid batteries, nickel-chromium batteries									
Dimension											
Dimension:L×W×H(mm)		656 × 405 × 817		656×405×941	821 × 432 × 1159		975 × 554 × 1286			1051 × 705 × 1376	
Net Weight (KG)		118	133	193	256	297	400	472	573	717	735