

FACILITIES AND DATA CENTERS

GMS SERIES

Systems based on 15kVA module

Description

GMS series is modular and online double conversion UPS from 30KVA to 120KVA are high-performance systems designed to supply high-quality power on a permanent basis for sensitive equipment.

GMS series combines the latest IGBT three-level technology with DSP control arithmetic. Along with high input power factor, low THD and high system efficiency achieves very high adaptability for all kinds of load. The modular designs ensures reliable and power expansion is very easy to achieve by connecting frames in parallel in order to reach maximum 120KVA power.



Model: GMS-30/15
 Max. Capacity of system: 30KVA
 Configuration: 2 slots
 Power module model: GM15
 Power module capacity: 15KVA
 Dimension: 482/442*800*662(W*D*H)mm
 Stand alone or embed into standard cabinet: 19"



Model: GMS-60/15
 Max. Capacity of system: 60KVA
 Configuration: 4 slots
 Power module model: GM15
 Power module capacity: 15KVA
 Dimension: 482/442*800*840(W*D*H)mm
 Stand alone or embed into standard cabinet: 19"



Model: GMS-120/15
 Max. Capacity of system: 120KVA
 Configuration: 8 slots
 Power module model: GM15
 Power module capacity: 15KVA
 Dimension: 482/442*800*1195(W*D*H)mm
 Stand alone or embed into standard cabinet: 19"

GM15 Module Data

Phase	Charging Current	Max Charging Power	Max Heat Dissipation	Input PF	Input THDI	Dimension (W*D*H)mm	Weight
3/3	3A	1.8kW	450W	≥ 0.99	< 3%	422/380*590*86	16kg

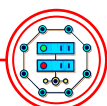
Applications



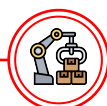
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Medical Equipment



Building Automation



Telecommunications

GENERAL SPECIFICATIONS			
Model	GMS-30/15	GMS-60/15	GMS-120/15
System Capacity (kVA/kW)	30kVA/30kW	60kVA/60kW	120kVA/120kW
INPUT			
Phase	3Ph+N+PE		
Nominal Input Voltage	380V/400V/415V AC, Three-Phase Five-Wire		
Input Voltage Range	228 - 478VAC (50% Load)		
Input rated frequency	50/60Hz		
THDI	< 3%		
Power Factor	≥ 0.99		
Bypass Voltage Range	± 20%		
Bypass Frequency Range	50/60 ± 10%		
Bypass synchronization tracking range	± (0.5, 1, 2, 3, 5) adjustable		
Output			
Output active power (kW)	30	60	120
Output rated voltage	380V/400V/415V AC, Three-Phase Five-Wire		
Output Frequency	50/60Hz		
Overload Ability	10 minutes at 125%		
Output Voltage THD	≤ 2% (Resistive load), ≤ 4% (Non-linear load)		
Output voltage stabilization accuracy	≤ 1%		
Voltage Recovering Time	≤ 20ms		
Transfer From Mains to Battery Supply	0ms		
Efficiency	AC/Battery Mode: Up to 95%, ECO Mode: Up to 98%, iECO Mode: Up to 99.5%		
Battery			
Battery Rated Voltage	± 240V DC		
VRLA Battery	40 (Range 32 - 44pcs)		
Access to Lithium-ion Battery	Standard		
Environmental			
Operating Temperature	-5°C ~ 40°C		
Operating Relative Humidity	≤ 95%, non-condensation		
Altitude	5000 m, derating if 1000 above		
Protection Class	IP20		
Others			
Parallel Configuration	No less than 4 units (N+1)		
EPO	Support		
Communication	RS232/RS485, CAN, USB, Dry contact, SD Card as standard. MODBUS, SNMP (optional)		
Safety Compliance	IEC/EN 62040-1, IEC/EN 60950-1		
EMC Compatibility & Performance	IEC/EN 62040-2, IEC/EN 62040-3		
Dimension	Standard (1*breaker)	482/442*800*662	482/442*800*840
(W*D*H)mm	Optional (4 breakers)		
Weight (kg)		72	82
			108

* External batteries, consult weights and dimensions for other autonomies, Specifications may be changed without notice.

FACILITIES AND DATA CENTERS

GMS SERIES

Systems based on 25kVA module

Description

GMS series is modular and online double conversion UPS from 150KVA to 250KVA are high-performance systems designed to supply high-quality power on a permanent basis for sensitive equipment.

GMS series combines the latest IGBT three-level technology with DSP control arithmetic. Along with high input power factor, low THD and high system efficiency achieves very high adaptability for all kinds of load. The modular designs ensures reliable and power expansion is very easy to achieve by connecting frames in parallel in order to reach maximum 250KVA power.



Model: GMS-150/25

Max. Capacity of system: 150KVA

Configuration: 6 slots

Power module model: GM25

Power module capacity: 25KVA

Dimension: 600*1000*1600(W*D*H)mm, standard 19" cabinet



Model: GMS-250/25

Max. Capacity of system: 250KVA

Configuration: 10 slots

Power module model: GM25

Power module capacity: 25KVA

Dimension: 600*1000*2000(W*D*H)mm, standard 19" cabinet

GM25 Module Data

Phase	Charging Current	Max Charging Power	Max Heat Disipation	Input PF	Input THDI	Dimension (W*D*H)mm	Weight
3/3	5A	3kW	750W	≥ 0.99	< 3%	482/442*590*86	19kg

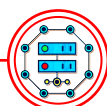
Applications



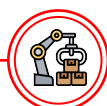
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GENERAL SPECIFICATIONS		
Model	GMS-150/25	GMS-250/25
System Capacity (kVA/kW)	150kVA/150kW	250kVA/250kW
INPUT		
Phase	3Ph+N+PE	
Nominal Input Voltage	380V/400V/415V AC, Three-Phase Five-Wire	
Input Voltage Range	228 - 478VAC (50% Load)	
Input rated frequency	50/60Hz	
THDI	< 3%	
Power Factor	≥ 0.99	
Bypass Voltage Range	± 20%	
Bypass Frequency Range	50/60±10%	
Bypass synchronization tracking range	± (0.5, 1, 2, 3, 5) adjustable	
Output		
Output active power (kW)	150	250
Output rated voltage	380V/400V/415V AC, Three-Phase Five-Wire	
Output Frequency	50/60Hz	
Overload Ability	10 minutes at 125%	
Output Voltage THD	≤ 2% (Resistive load), ≤4% (Non-linear load)	
Output voltage stabilization accuracy	≤ 1%	
Voltage Recovering Time	≤ 20ms	
Transfer From Mains to Battery Supply	0ms	
Efficiency	AC/Battery Mode: Up to 96%, ECO Mode: Up to 99%, iECO Mode: Up to 99.5%	
Battery		
Battery Rated Voltage	± 240V DC	
VRLA Battery	40 (Range 32 - 44pcs)	
Access to Lithium-ion Battery	Standard	
Environmental		
Operating Temperature	-5°C ~ 40°C	
Operating Relative Humidity	≤ 95%, non-condensation	
Altitude	5000 m, derating if 1000 above	
Protection Class	IP20	
Others		
Parallel Configuration	No less than 4 units (N+1)	
EPO	Support	
Communication	RS232/RS485, CAN, USB, Dry contact, SD Card as standard. MODBUS, SNMP (optional)	
Safety Compliance	IEC/EN 62040-1, IEC/EN 60950-1	
EMC Compatibility & Performance	IEC/EN 62040-2, IEC/EN 62040-3	
Dimension	Standard (1*breaker)	600*1000*2000
(W*D*H)mm	Optional (4 breakers)	
Weight (kg)	170	220

* External batteries, consult weights and dimensions for other autonomies, Specifications may be changed without notice.

FACILITIES AND DATA CENTERS

GMS SERIES

Systems based on 50kVA module

Description

GMS series is modular and online double conversion UPS from 200KVA to 500KVA are high-performance systems designed to supply high-quality power on a permanent basis for sensitive equipment.

GMS series combines the latest IGBT three-level technology with DSP control arithmetic. Along with high input power factor, low THD and high system efficiency achieves very high adaptability for all kinds of load. The modular designs ensures reliable and power expansion is very easy to achieve by connecting frames in parallel in order to reach maximum 500KVA power.



Model: GMS-200/50
 Max. Capacity of system: 200KVA
 Configuration: 4 slots
 Power module model: GM50
 Power module capacity: 50KVA
 Dimension: 600*1000*2000(W*D*H)mm
 Standard cabinet: 19"



Model: GMS-300/50
 Max. Capacity of system: 300KVA
 Configuration: 6 slots
 Power module model: GM50
 Power module capacity: 50KVA
 Dimension: 900*1000*2000(W*D*H)mm
 Standard cabinet: 19"



Model: GMS-400/50
 Max. Capacity of system: 400KVA
 Configuration: 8 slots
 Power module model: GM50
 Power module capacity: 50KVA
 Dimension: 900*1000*2000(W*D*H)mm
 Standard cabinet: 19"



Model: GMS-500/50
 Max. Capacity of system: 500KVA
 Configuration: 10 slots
 Power module model: GM50
 Power module capacity: 50KVA
 Dimension: 1200*1000*2000(W*D*H)mm
 Standard cabinet: 19"

GM50 Module Data

Phase	Charging Current	Max Charging Power	Max Heat Dissipation	Input PF	Input THDI	Dimension (W*D*H)mm	Weight
3/3	10A	6kW	1500W	≥ 0.99	< 3%	482/442*622*129	31kg

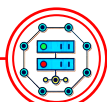
Applications



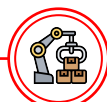
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GENERAL SPECIFICATIONS					
Model	GMS-200/50	GMS-300/50	GMS-400/50	GMS-500/50	
System Capacity (kVA/kW)	200kVA/200kW	300kVA/300kW	400kVA/400kW	500kVA/500kW	
INPUT					
Phase	3Ph+N+PE				
Nominal Input Voltage	380V/400V/415V AC, Three-Phase Five-Wire				
Input Voltage Range	228 - 478VAC (50% Load)				
Input rated frequency	50/60Hz				
THDI	< 3%				
Power Factor	≥ 0.99				
Bypass Voltage Range	± 20%				
Bypass Frequency Range	50/60 ± 10%				
Bypass synchronization tracking range	± (0.5, 1, 2, 3, 5) adjustable				
Output					
Output active power (kW)	200	300	400	500	
Output rated voltage	380V/400V/415V AC, Three-Phase Five-Wire				
Output Frequency	50/60Hz				
Overload Ability	10 minutes at 125%				
Output Voltage THD _t	≤ 2% (Resistive load), ≤ 4% (Non-linear load)				
Output voltage stabilization accuracy	≤ 1%				
Voltage Recovering Time	≤ 20ms				
Transfer From Mains to Battery Supply	0ms				
Efficiency	AC/Battery Mode: Up to 96%, ECO Mode: Up to 99%, iECO Mode: Up to 99.5%				
Battery					
Battery Rated Voltage	± 240V DC				
VRLA Battery	40 (Range 32-44pcs)				
Access to Lithium-ion Battery	Standard				
Environmental					
Operating Temperature	-5°C ~ 40°C				
Operating Relative Humidity	≤ 95%, non-condensation				
Altitude	5000 m, derating if 1000 above				
Protection Class	IP20				
Others					
Parallel Configuration	No less than 4 units (N+1)				
EPO	Support				
Communication	RS232/RS485, CAN, USB, Dry contact, SD Card as standard. MODBUS, SNMP (optional)				
Safety Compliance	IEC/EN 62040-1, IEC/EN 60950-1				
EMC Compatibility & Performance	IEC/EN 62040-2, IEC/EN 62040-3				
Dimension	Standard (1*breaker)	600*1000*1600	900*1000*2000	900*1000*2000	1200*1000*2000
(W*D*H)mm	Optional (4 breakers)			1200*1000*2000	
Weight (kg)		220	300	323	415

* External batteries, consult weights and dimensions for other autonomies, Specifications may be changed without notice.

FACILITIES AND DATA CENTERS

GMS SERIES

Systems based on 75kVA module

Description

GMS series is modular and online double conversion UPS from 450KVA to 1200KVA are high-performance systems designed to supply high-quality power on a permanent basis for sensitive equipment.

GMS series combines the latest IGBT three-level technology with DSP control arithmetic. Along with high input power factor, low THD and high system efficiency achieves very high adaptability for all kinds of load. The modular designs ensures reliable and power expansion is very easy to achieve by connecting frames in parallel in order to reach maximum 1200KVA power.



Model: GMS-450/75
 Max. Capacity of system: 450KVA
 Configuration: 6 slots
 Power module model: GM75
 Power module capacity: 75KVA
 Dimension: 900*1000*2000(W*D*H)mm
 Standard cabinet: 19"



Model: GMS-600/75
 Max. Capacity of system: 600KVA
 Configuration: 8 slots
 Power module model: GM75
 Power module capacity: 75KVA
 Dimension: 1200*1000*2000(W*D*H)mm
 Standard cabinet: 19"



Model: GMS-900/75
 Max. Capacity of system: 900KVA, Configuration: 12 slots
 Power module model: GM75, Power module capacity: 75KVA
 Dimension: 1800*1000*2000(W*D*H)mm, Standard cabinet: 19"



Model: GMS-1200/75
 Max. Capacity of system: 1200KVA, Configuration: 16 slots
 Power module model: GM75, Power module capacity: 75KVA
 Dimension: 2000*1000*2200(W*D*H)mm, Standard cabinet: 19"

GM75 Module Data

Phase	Charging Current	Max Charging Power	Max Heat Dispassion	Input PF	Input THDI	Dimension (W*D*H)mm	Weight
3/3	15A	9kW	2250W	≥ 0.99	< 3%	482/442*628*172	45kg

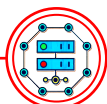
Applications



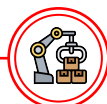
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GENERAL SPECIFICATIONS					
Model	GMS-450/75		GMS-600/75	GMS-900/75	GMS-1200/75
System Capacity (kVA/kW)	450kVA/450kW		600kVA/600kW	900kVA/900kW	1200kVA/1200kW
INPUT					
Phase	3Ph+N+PE				
Nominal Input Voltage	380V/400V/415V AC, Three-Phase Five-Wire				
Input Voltage Range	228 - 478VAC (50% Load)				
Input rated frequency	50/60Hz				
THDI	< 3%				
Power Factor	≥ 0.99				
Bypass Voltage Range	± 20%				
Bypass Frequency Range	50/60±10%				
Bypass synchronization tracking range	± (0.5, 1, 2, 3, 5) adjustable				
Output					
Output active power (kW)	450	600	900	1200	
Output rated voltage	380V/400V/415V AC, Three-Phase Five-Wire				
Output Frequency	50/60Hz				
Overload Ability	10 minutes at 125%				
Output Voltage THD _t	≤ 2% (Resistive load), ≤ 4% (Non-linear load)				
Output voltage stabilization accuracy	≤ 1%				
Voltage Recovering Time	≤ 20ms				
Transfer From Mains to Battery Supply	0ms				
Efficiency	AC/Battery Mode: Up to 96.5%, ECO Mode: Up to 99%, iECO Mode: Up to 99.5%				
Battery					
Battery Rated Voltage	± 240V DC				
VRLA Battery	40 (Range 32-44pcs)				
Access to Lithium-ion Battery	Standard				
Environmental					
Operating Temperature	-5°C ~ 40°C				
Operating Relative Humidity	≤ 95%, non-condensation				
Altitude	5000 m, derating if 1000 above				
Protection Class	IP20				
Others					
Parallel Configuration	No less than 4 units (N+1)				
EPO	Support				
Communication	RS232/RS485, CAN, USB, Dry contact, SD Card as standard. MODBUS, SNMP (optional)				
Safety Compliance	IEC/EN 62040-1, IEC/EN 60950-1				
EMC Compatibility & Performance	IEC/EN 62040-2, IEC/EN 62040-3				
Dimension (W*D*H)mm	Standard (1*breaker)	900*1000*2000	1200*1000*2000	1800*1000*2000	2000*1000*2200
	Optional (4 breakers)	1200*1000*2000			
Weight (kg)	344		387	618	700

* External batteries, consult weights and dimensions for other autonomies, Specifications may be changed without notice.

FACILITIES AND DATA CENTERS

GRMS SERIES

Rackmount Modular UPS

Description

GRMS series is modular and online double conversion UPS from 12KVA to 36KVA are high-performance systems designed to supply high-quality power on a permanent basis for sensitive equipment.

GRMS series combines the latest IGBT three-level technology with DSP control arithmetic. Along with high input power factor, low THD and high system efficiency achieves very high adaptability for all kinds of load. The modular designs ensures reliable and power expansion is very easy to achieve by connecting frames in parallel in order to reach maximum 36KVA power.



Model: GRMS-12/6

Max. Capacity of system: 12KVA

Configuration: 2 slots

Power module model: GRM-6

Power module capacity: 6KVA

Dimension: 482*635*132(W*D*H)mm

Stand alone or embed into standard cabinet: 19"



Model: GRMS-24/6

Max. Capacity of system: 24KVA

Configuration: 4 slots

Power module model: GRM-6

Power module capacity: 6KVA

Dimension: 482*635*220(W*D*H)mm

Stand alone or embed into standard cabinet: 19"



Model: GRMS-36/6

Max. Capacity of system: 36KVA

Configuration: 6 slots

Power module model: GRM-6

Power module capacity: 6KVA

Dimension: 482*635*310(W*D*H)mm

Stand alone or embed into standard cabinet: 19"

GRM-6 Module Data

Phase	Charging Current	Max Charging Power	Max Heat Dissipation	Input PF	Input THDI	Dimension (W*D*H)mm	Weight
1/1	1A	620kW	300W	≥ 0.99	< 5%	200*500*85	8kg

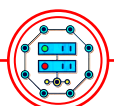
Applications



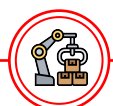
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Medical Equipment



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GENERAL SPECIFICATIONS			
Model	GRMS-12/6	GRMS-24/6	GRMS-36/6
System Capacity (kVA/kW)	12kVA/10.8kW	24kVA/21.6kW	36kVA/32.4kW
INPUT			
Phase	1Ph+N+PE	1Ph+N+PE	3Ph+N+PE
Nominal Input Voltage	220V/230V/240V AC, Single-Phase Three-Wire		380V/400V/415V AC, Three-Phase Five-Wire
Input Voltage Range	132-276VAC (50% Load)		228 - 478VAC (50% Load)
Input rated frequency	50/60Hz		
THDI	< 5%		
Power Factor	≥ 0.99		
Bypass Voltage Range	± 20%		
Bypass Frequency Range	50/60 ±10%		
Bypass synchronization tracking range	50/60 ±4%		
Output			
Output active power (kW)	10.8	21.6	32.4
Output rated voltage	220V/230V/240V AC, Single-Phase Three-Wire		380V/400V/415V AC Three-Phase Five-Wire
Output Frequency	50/60Hz		
Overload Ability	10 minutes at 125%		
Output Voltage THD	≤ 2% (Resistive load), ≤ 4% (Non-linear load)		
Output voltage stabilization accuracy	≤ 1%		
Voltage Recovering Time	≤ 20ms		
Transfer From Mains to Battery Supply	0ms		
Efficiency	≥ 94%		
Battery			
Battery Rated Voltage	± 240V DC		
VRLA Battery	40 (Range 32-44pcs)		
Access to Lithium-ion Battery	Standard		
Environmental			
Operating Temperature	-5°C ~ 40°C		
Operating Relative Humidity	≤ 95%, non-condensation		
Altitude	5000 m, derating if 1000 above		
Protection Class	IP20		
Others			
Parallel Configuration	No less than 4 units (N+1)		
EPO	Support		
Communication	RS232/RS485, CAN, USB, Dry contact, SD Card as standard. MODBUS, SNMP (optional)		
Safety Compliance	IEC/EN 62040-1, IEC/EN 60950-1		
EMC Compatibility & Performance	IEC/EN 62040-2, IEC/EN 62040-3		
Dimension	Standard (1*breaker)	482*635*132	482*635*220
(W*D*H)mm	Optional (4 breakers)		
Weight (kg)		16.5	21.5
			26.5

* External batteries, consult weights and dimensions for other autonomies, Specifications may be changed without notice.