

MGE Galaxy 3000

Three Phase UPS

MGE Galaxy 3000 10 / 15 / 20 / 30 kVA



**Performance 3-Phase
Power Protection with
Adaptability to Meet the
Unique Requirements of
Small Datacenters and
Building Critical
Applications**

- > Strong Electrical features
- > Easy to install
- > Intuitive to use
- > High availability architectures component

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High Availability

- > Failure tolerance system
 - Internal bypass
 - External bypass
- > Redundancy system
 - For highly critical applications, 2 MGE Galaxy 3000 units installed in a redundancy configuration to ensure continuity of service
 - To increase the MTBF, ability to connect the MGE Galaxy 3000 to 2 independent upstream power sources
- > Reliability of the battery system
 - Protection against full discharge
 - Temperature monitored



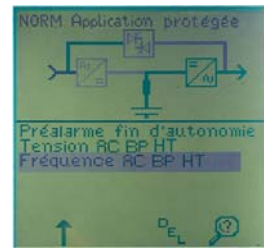
Highly competitive operating cost

The PFC (Power Factor Correction) system has 2 benefits:

- > The electrical power factor is reduced by 20% in comparison with a standard UPS
- > A saving on installation cost by reducing the size of the generating plant and the equipment upstream of the UPS

User friendly operation

- > Clear, safe operation
- > Detailed systems status information
- > Immediate access to measurements, diagnostics, status indications and animated mimic diagrams
- > Large communication screen
- > Multi-language colour graphics display



MGE Galaxy 3000 Features

One-Line Double Conversion Topology

- > True isolation between input and output
- > No-break transfer to battery or bypass power

Communication

- > Integral 3-slot 1 card with dry contacts as standard
- > 1 terminal block
- > Network Management card
- > Environment Sensor for the SNMP/Web card
- > JBus/ModBus card

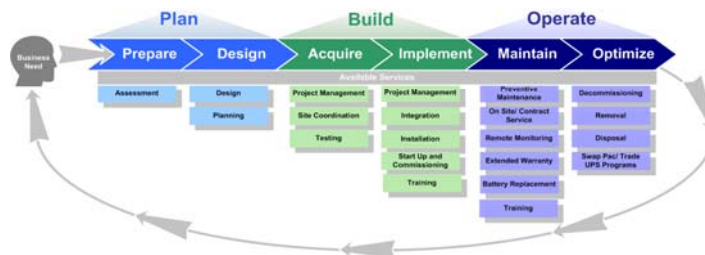
Protection for the most sensitive types of equipment

- > Compliance with the most stringent technical standards in terms of electromagnetic compatibility
- > Consistency of the quality of the output voltage, regardless of the interference emitted downstream of the UPS and any variation in the load factor

Comprehensive Services offering

- The MGE Galaxy 3000 design backed up by APC-MGE world-class Services organization provides the serenity required by any business-critical application.
- > On-site audits
 - > Maintenance contracts
 - > Battery replacement
 - > Remote monitoring for maximized up-time

Life Cycle of Mission Critical Applications



Technical Characteristics

UPS Rating kVA/KW	10/8	15/12	20/16	30/24
AC power supply input/output				
Input voltage range	250 V to 440 V three-phase + neutral			
Nominal input voltage	380-400-415 V, up to 480 V with auto-transformer (optional)			
Input frequency	47 to 63 Hz, frequency converter function as standard			
Output voltage/frequency	380-400-415 V +/- 1% three-phase + neutral / 50/60 hz +/- 1%			
Performance				
Noise level (dBA)	< 50		< 53	
Current distortions (THDI)	< 5%		< 3%	
Dynamic performance	+/-3% on load impact			
THDU voltage distortion	<3%			
Overload capacity	150% 1 second; 120% 1.5 minutes; 110% 5 minutes			
Permissible crest factor	3:1			
Efficiency	97% in economy mode			
Battery protection	Battery Monitoring System built-in as standard			
Operating Temperature	40°C for 8 hours; 0°C to 35°C continuous			
Options				
Isolation transformer module	Electrical isolation, 1/2 separate systems , neutral reference dimensions identical to the 30 kVA UPS with integral batteries			
Paralleling	Up to 4 units with the same power to provide redundancy and increase the power			
Standards and certifications				
Safety/performance	62040-1/IEC 62040-3			
EMC/harmonics	IEC 62040-2 level B/IEC 61000-3-2/4			
Certification	CE : TUV			
Design and manufacture/colour	ISO 14001 - ISO 9001 /RAL 9002			
Dimensions of the enclosures, H x L x D (mm)				
UPS with integral batteries	1420 x 655 x 565		1600 x 670 x 685	
Battery extension	1600 x 850 x 685			
Weights (kg) of UPS with integral batteries				
Standard/premium	273/330	335/380	365/470	427/570