

MGE Galaxy 3500

“Performance power protection for critical applications.”

15/20/30/40 kVA - Three Phase in, One Phase out



**A performance UPS with
excellent efficiency and
optimized footprint -
for commercial and
technical facilities up to
industrial environments**

- Double Conversion On-Line Topology
- Compact and robust design
- Best-in-class efficiency (96%)
- Network manageability
- IP51 for Industrial environments

MGE Galaxy 3500 - Features & Benefits

Performance power protection with best in-class efficiency for technical facilities and industrial applications.

The MGE Galaxy 3500 offers a new way for electrical contractors and facility managers to achieve reliable and cost-effective protection for mission-critical applications. A modular design with factory installed hot swappable batteries and electronics reduce installation time and make the MGE Galaxy 3500 easy to deploy and maintain. The product features an excellent 96% efficiency (TUV certified) which means reduced Total Cost of Ownership and customer savings every year. MGE Galaxy 3500 ships with dual mains input and a built-in maintenance bypass switch increasing the system availability. The environment monitoring card is supplied with the product, as well as a start-up service to ensure the right configuration from start. And for demanding industrial environments, reliability features include IP 51 protection, standard 2 millimeter thick steel plate enclosure, and user-replaceable air filters.

Availability

- > Dual mains input
- > Automatic internal bypass
- > Hot-swappable batteries
- > Modular Power Module
- > Generator compatible

Serviceability

- > Manual maintenance bypass
- > User-replaceable air filters
- > Battery replacement without tools
- > Front-access servicing

Economy

- > Input power factor correction
- > Temperature-compensated battery charging
- > Efficiency: up to 96%

Simplified Installation

- > Wiring connections
- > Busbar Connections
- > Wheels

Approvals

- > Designed and built according to UL, IP, ANSI, IEEE

Manageability

- > Built in Web/SNMP management & environmental monitoring
- > LCD display
- > Audible alarms

Options

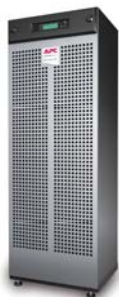
- > External Runtime Frame with Batteries
- > Empty Battery Frame for third party batteries
- > Empty Frame for third party Transformers

Typical Applications

- > Transportation
- > Pharmaceutical plants
- > Chemical plants
- > Semiconductor plants
- > Food & beverage plants
- > Other industrial facilities and process plants

Support & Service

- > Start-Up Included
- > Worldwide support and after-sales services



Wide Enclosure
(15/20/30/40 kVA)



Narrow Enclosure
(15/20 kVA)

MGE Galaxy 3500 - Features & Benefits

Rugged Industrial Environments

Technical Specifications

Rated power (kVA/kW)	15/12		20/16		30/24		40/32	
Normal AC supply input								
Input voltage (V)	380/400/415 V (three phase + Neutral)							
Frequency (Hz)	40 – 70 Hz							
Input Power Factor	>0.99 at load>50%							
THDI	<5% at full load							
Input Voltage Tolerance Utility Operation	304V to 477V at full load, 200V to 477V at half load (For 400 V)							
Dual Mains Input	Yes							
Input Voltage Tolerance Bypass	±10% standard ±4, 6, 8, 10% (programmable)							
Backfeed Protection	Built-in backfeed contactor							
Output								
Nominal Output Voltage (V)	220/230/240 V							
Efficiency at Full Load (AC-AC)	95.7%	95.3%		96.4%		96.0%		
Efficiency at 50% Load (AC-AC)	95.7%	95.7%		96.4%		96.5%		
DC-AC at nominal battery voltage	95.1%	94.8%		94.8%		94.8%		
Load Power Factor	0.5 leading to 0.5 lagging							
Output Frequency	Mains synchronized in normal operation 50Hz ± 0.05% free-running							
Overload Capacity Utility Operation	125% for 10 minutes, 150% for 1 minute							
Overload Capacity Battery Operation	150% for 1 minute							
V THD	<2%from 0 to 100% linear load, <3.5% full non-linear load							
Output Voltage Tolerance	±1% static, ±5% at 100% load step							
Communication and Management								
Communication Interface	Network Management Card with Environmental Monitor							
Control Panel	Power View multi-function LCD, status and control console							
Emergency Power Off (EPO)	Yes							
Dimensions and Weight								
Dimensions (HxWxD) Narrow Tower	1490x352x838 mm (Narrow Tower)							
Dimensions (HxWxD) Wide Tower					1490x523x838 mm (Wide Tower)			
Weight (kg) - Narrow Tower	402 kg							
Weight (kg) - WideTower	472 kg				656 kg			
Color	Metallic Gray (RAL 9023)							
Protection								
Surge	IEC61000-4-5, EN50091-2							
Thermal	Yes							
Short Circuit	Yes							
Regulatory								
Safety	IEC/EN62040-1-1 and EN60950							
EMC/EMI/RFI	EN50091-2, IEC 62040-2							
Approvals	CE							
Environmental								
Operating Temperature	0°C to 40°C							
Storage Temperature	-15°C to 45°C							
Relative Humidity	0 to 95% non-condensing							
Operating Elevation	0 to 1,000m							
Storage Elevation	0 to 15,000m							
Max. Audible Noise at 1m from unit	<43.3 dBA at <70% load				<46.2 dBA at <70% load			
Protection Class	IP51							