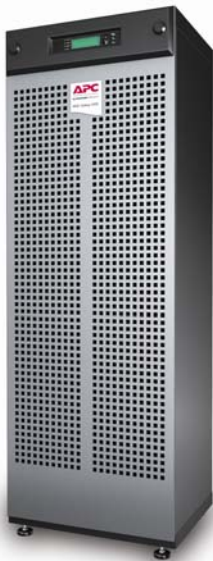


MGE Galaxy 3500

“Performance power protection for critical applications.”

10/15/20/30/40 kVA - Three Phase in, Three Phase out



Wide Enclosure
(10/15/20/30/40 kVA)



Narrow Enclosure
(10/15/20 kVA)

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%)
- Parallel Capability
- 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 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 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 system availability. The environment monitoring card is supplied with the product, as well as a start-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
- > Parallel up to 4 units for capacity and redundancy

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

- > Up to 4 External Runtime Frame with Batteries
- > Parallel Maintenance Bypass Panel- Wall mount
- > Single-Unit Maintenance bypass-Wall Mount
- > Empty Battery Frame for third party Batteries
- > Empty Frame for third party Transformers

Typical Applications

- > Commercial Buildings: Shop floors, Hotels, Convention Centers
- > Transportation and Infrastructures
- > Pharmaceutical and Chemical plants
- > Semiconductor plants
- > Food & beverage plants
- > Other industrial facilities and process plants

Support & Service

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



4 units in parallel

MGE Galaxy 3500 - Features & Benefits

Reduced Total Cost of Ownership

> Up to 96% Efficiency

Minimizes energy loss and operating costs over time

> Optimized footprint

Allows for a wide range of uses in Electrical rooms and up to 60% space saving

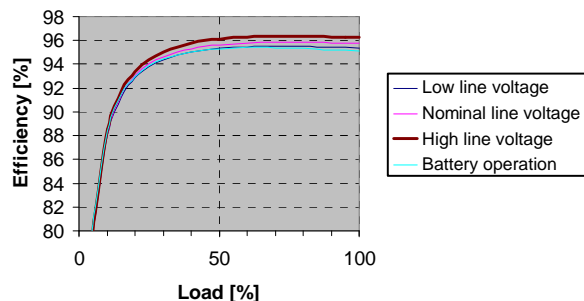
> Reduced Electrical infrastructure rating requirements

Reduced cost for wiring, transformers, generators

> Input power factor correction

Reduces installation costs

Galaxy 3500 30KH Efficiency



User-replaceable
air filters

IP51 enclosure

Rugged Industrial Environments

> Sturdy Enclosure

2mm heavy gate Steel front cover and frame design.

> Easy replaceable air filters

Prevent dust and debris from affecting UPS performance (arrestance value of 80% as per Ashrae 52.1)

> IP 51

Drip shield that prevents falling dirt and dripping liquids from entering the UPS

> Floor anchoring

Prevent the UPS from tilting

> Wheels

Allow the UPS easily to be rolled into place

Options

> External Runtime Frame with Batteries

Adds additional runtime configuration with or without Breaker

> Single or Parallel-Unit Bypass Panel, wall-mounted

Provides space savings and turnkey solution for parallel configurations

> Empty Battery Frame for Third-party Batteries or Transformers

Line up and match cabinet for third party batteries and transformers

> Communication cards

SNMP card supplied with the product, Optional cards available for additional features



Maintenance
Bypass



Communication
Cards

Technical Specifications

Rated Power (kVA/Kw)	10/8		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	>0.98 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)	380/400/415 V (Three phase + Neutral)									
Efficiency at Full Load (AC-AC)	95.7%		95.7%		95.3%		96.4%		96.0%	
Efficiency at 50% Load (AC-AC)	95.2%		95.7%		95.7%		96.4%		96.5%	
Efficiency DC-AC nominal Battery voltage	94.7%		94.7%		94.8%		94.8%		94.8%	
Load Power Factor	0.5 leading to 0.5 lagging									
Output Frequency	Mains synchronized in normal operation 60Hz ± 0.05% free-running									
Overload Capacity Utility Operation	125% for 10 minutes, 150% for 60 seconds									
Overload Capacity Battery Operation	150% for 60 seconds									
V THD	<2%from 0 to 100% linear load, <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	1500x352x854 mm									
Dimensions (HxWxD) Wide Tower							1500x523x854 mm			
Maximum Weight (kg) - Narrow Tower	214 kg		402 kg							
Maximum Weight (kg) - Wide Tower	443 kg		472 kg			656 kg		662kg		
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									