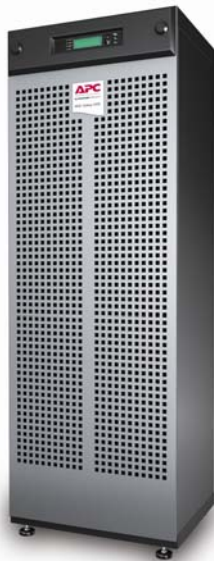


MGE Galaxy 3500

“Performance power protection for critical applications.”

10/15/20/30 kVA - Three Phase



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



Narrow Enclosure
(10/15kVA)

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 (94%)
- Parallel Capability
- Network manageability
- IP51/NEMA12 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 94% 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
- > 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 94%

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 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 94% 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

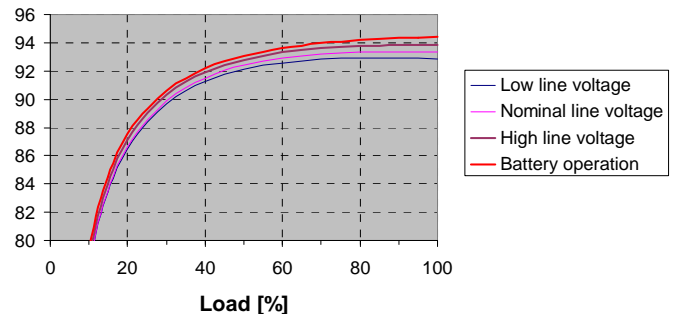
> Reduced Electrical infrastructure rating requirements

Reduced cost for wiring, transformers, generators

> Input power factor correction

Reduces installation costs

Galaxy 3500 20kVA Efficiency (%)



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



User-replaceable air filters

IP51 enclosure

Options

> External Runtime Frame with Batteries

Adds additional runtime configuration with or without Breaker

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

Provides space savings and turnkey solution for parallel configurations

> Empty Battery Frame for Third-party Batteries or Transformers

Line up and match capability for third party 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 |
|--|--|--------|------------------------|---------|
| Normal AC supply input | | | | |
| Input voltage (V) | 208 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 | 166V to 240V (at full load) 100v to 240V (at half load) 208V | | | |
| 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) | 208 V (Three phase + Neutral) | | | |
| Efficiency at Full Load (AC-AC) | 93.5% | 93.0% | 94.1% | 93.3% |
| Efficiency at 50% Load (AC-AC) | 92.5% | 93.5% | 93.8% | 94.3% |
| DC-AC Nominal Battery Voltage | 93.8% | 93.8% | 93.8% | 93.8% |
| 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 | | | |
| Dimensions and Weight | | | | |
| Dimensions (HxWxD) Narrow Tower | 1500x352x854 mm | | | |
| Dimensions (HxWxD) Wide Tower | 1500x523x854 mm | | | |
| Weight (lbs) - Narrow Tower (with 1 Battery Module) | 671.00 | 873.00 | | |
| Weight (lbs) - Wide Tower (with 2 Battery Modules) | 711.00 | 913.00 | 979.00 | 1181.00 |
| Color | Metallic Gray (RAL 9023) | | | |
| Protection | | | | |
| Surge | IEC61000-4-5, EN50091-2 ANSI-IEEE C62-41 | | | |
| Thermal | Yes | | | |
| Short Circuit | Yes | | | |
| Regulatory | | | | |
| Safety | UL 1778 | | | |
| EMC/EMI/RFI | EN50091-2, IEC 62040-2 FCC15A | | | |
| Approvals | CE | | | |
| Environmental | | | | |
| Operating Temperature | 0°C to 40°C | | | |
| Storage Temperature | -15°C to 40°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/NEMA 12 | | | |