MGE Galaxy 3500

10/15/20/30kVA

Performance power protection for critical applications

10-30kVA compact 3 phase power protection with excellent efficiency and optimized footprint particularly adapted for demanding industrial environments

- Double conversion online topology
- Compact and robust design
- Best-in-class efficiency (94%)
- Parallel Capability
- Network manageability
- IP51/NEMA12 for industrial environments

APC™
by Schneider Electric

Features and 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) resulting in reduced Total Cost of Ownership and customer annual savings. MGE Galaxy 3500 ships with dual mains input and a built-in maintenance bypass switch increasing system availability. The environmental monitoring card is supplied with the product, as well as a start-up service to ensure the right configuration from the start. And for demanding industrial environments, reliability features include IP 51 protection, standard 2 millimeter thick steel plate enclosure, and user-replaceable air filters.

Galaxy 3500

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
- High Performance Battery module -SYBTH4
- Up to 4 external runtime frames with batteries
- Parallel maintenance bypass panel – floor mount
- Single-unit maintenance bypass – wall mount and floor mount to single unit maintenance bypass
- Transformer Cabinets

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

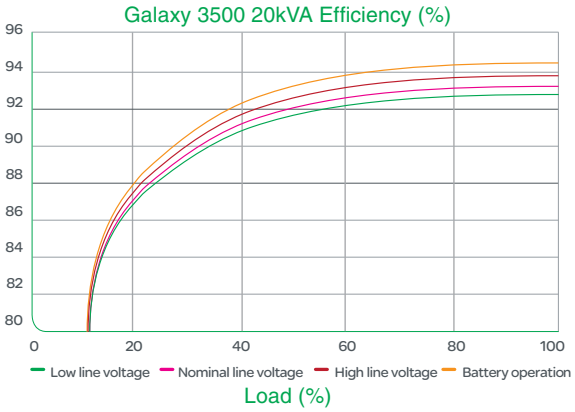
Support & Service
- Start-up included
- Worldwide support and after-sales services

4 units in parallel

Features that make the difference

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**
  Reduces cost for wiring, transformers, generators
- **Input power factor correction**
  Reduces installation costs



Rugged Industrial Environments

- **Sturdy enclosure**
  2mm heavy gate steel front cover and frame design
- **Easily replaceable air filters**
  Prevent dust and debris from affecting UPS performance (arrestance value of 80% as per ASHRAE 52.1)
- **IP51**
  Ruggedized enclosure with drip shield and dust protection that prevents liquids and dirt particles from entering the UPS
- **Floor anchoring**
  Prevents the UPS from tilting
- **Wheels**
  Allows the UPS to be easily rolled into place


User-replaceable air filters


IP51 enclosure

Optional Auxiliary Gear

- **External runtime frame with batteries**
  Adds additional runtime configuration with or without breaker
- **Single or paralell-unit bypass panel, wall-mounted and floor-mounted**
  Provides space savings and turnkey solution for parallel configurations
- **Communication cards**
  Network management card supplied with the product, optional cards available for additional features


Communication cards


Maintenance bypass

Technical Specifications

Rated Power (kVA/kW)	10/8	15/12	20/16	30/24
Normal AC Supply Input				
Input voltage (V)	208V (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)	208V 3 phase			
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 battery utility 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 Weights				
Dimensions (HxWxD) narrow tower	58.70x14x33 in			
Dimensions (HxWxD) wide tower			58.70x20.60x33 in	
Weight (lbs) - narrow tower (with 1 battery module)	671.00	873.00		
Weight (lbs) - wide tower (with 2 battery modules)	913.00	913.00	979.00	1181.00
Control	Metallic Gray (RAL 9023)			
Protection				
Surge	IEC61000-4-5, EN50091-2 ANSI-IEE C62-41			
Thermal	Yes			
Short circuit	Yes			
Regulatory				
Safety	UL 1778			
EMC/EMI/RFI	EN50091-2 IEC 62040-2 FCC15A			
Approvals	CE			
Environmental				
Operation temperature	32-104 degrees F			
Storage temperature	5-113F			
Relative humidity	0 to 95% non-condensing			
Operating elevation	0-3333 ft.			
Storage elevation	0-50000 ft.			
Max. audible noise at 1m from unit	<43.3 dBA at <70% load		<46.2 dBA at <70% load	
Protection class	IP51/NEMA 12			