MGE Galaxy 5500

20/30/40/60/80/100/120 kVA

Where reliability meets flexibility

20 – 120 kVA state-of-the-art three-phase power protection designed to meet a wide range of requirements from medium data centers to industrial and facilities applications

- Upgradable power ranges
- Internal maintenance bypass
- Intuitive monitoring
- Parallel capable
- Front access servicing
- High power availability

APC™
by Schneider Electric

Features and benefits

Flexible three-phase power protection designed to meet a wide range of requirements, from medium data centers to industrial and facilities applications

The MGE Galaxy™ 5500 is the latest advanced engineered UPS system that increases the performance and reliability that APC™ customers have come to recognize and appreciate. Online technology fully isolates and protects against all power quality disturbances in even the most demanding environments. High efficiency in double conversion or ECO mode saves valuable energy costs and a comprehensive range of options enables the MGE Galaxy 5500 to be highly effective in any application. The output electrical performances are fully aligned with today's latest load requirements that include upstream harmonics management for a generator-friendly installation and flexible configurations due to the wide range of integrated options and auxiliary equipment. Full front access allows for a space-saving footprint, user-friendly graphical display with multiple language options, and an SNMP with network-based power management card that all ship standard. All these features make the Galaxy 5500 one of the easiest UPS units in its class to manage and maintain.

Galaxy 5500

High power availability

Fault tolerance Built-in 100 percent rated static bypass switch prevents interruption by allowing load transfer to utility power during heavy overloads

Redundant components Provides increased backup for greater reliability and ensures continuous operation

High overload capacity Improves downstream circuit discrimination

Installation and serviceability

Easy to install All connections are made through the front, eliminating the need for rear or side access

Front access servicing Simplifies installation and maintenance while minimizing space requirements

Multiple levels of service With package or individual service component options, our services are structured for you to choose what APC can do for you

Flexible and upgradeable

Expandable power ranges Scalable power levels to accommodate varying power requirements

Higher capacity or redundancy Parallel up to six modules to adapt to increasing power needs

Simple integration Easily works with networking and monitoring systems

Extended backup options Choice of backup times from five minutes to eight hours to meet varying requirements

Compatible Operates with inductive and leading power factor loads

Field upgradeable Change from single to parallel capability, increasing total power capacity, by simultaneously using multiple UPS units

Low total cost of ownership

Power factor corrected input Prevents the need for oversizing cables, circuit breakers, and generators

Efficient Up to 93.5 percent in online double conversion mode

Flexible design Allows for a wide range of configurations to suit any operating environment

MGE Galaxy 5500 features

1 **IGBT-based technology for power quality**
Supplies clean, stable power to sensitive loads, ensuring critical power protection, optimum performance, and extended life

2 **Dual input**
Allows for connection to two separate input sources for increased availability

3 **Parallel operation**
Connect as many as six units in parallel for capacity and redundancy to grow with your power requirements

4 **Redundant components**
Provides increased backup for greater reliability and ensures continuous operation

5 **Built-in static and maintenance bypass**
Enables the UPS to transfer the load to utility power, without interruption, in the event of heavy overload or fault

6 **Pre-installed network management card**
Allows for easy network integration

MGE Galaxy 5500 options

Integrating isolation transformer

The MGE Galaxy 5500 can be equipped with an isolation transformer, fully integrated into the core module depending on the customer's galvanic isolation need (output or input). Integrating the transformer directly into the module saves footprint and provides all the benefits of galvanic isolation including providing a very robust buffer between the utility and the critical load.

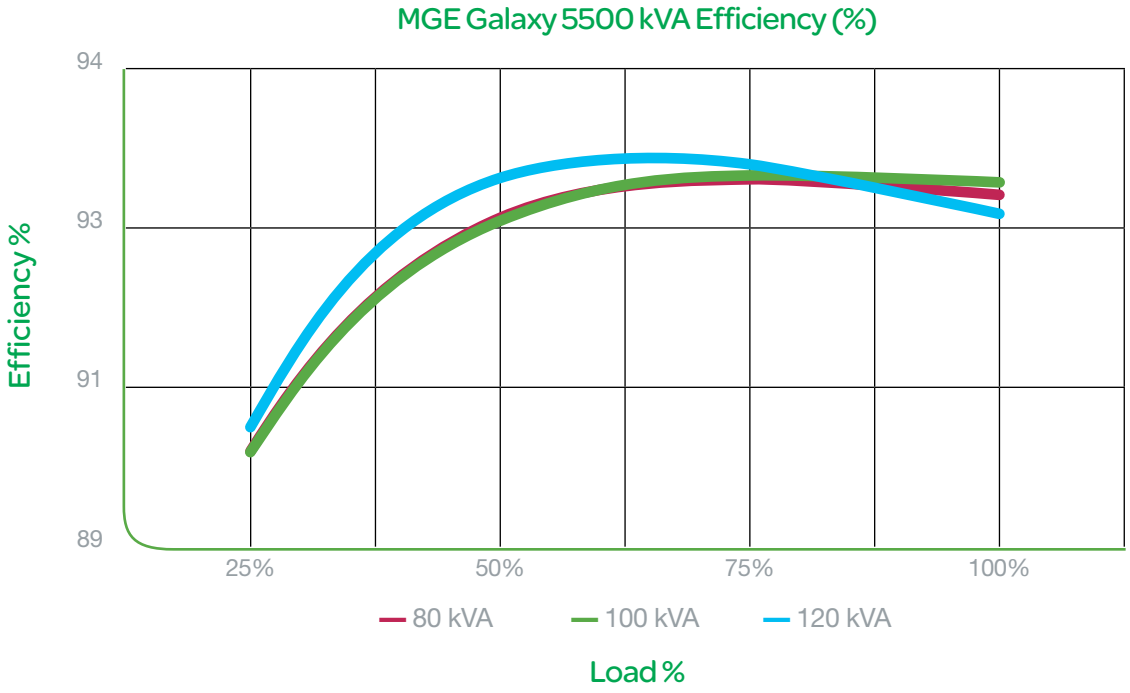
Options

- Parallel system bypass cabinets
- IP32 rated cabinets
- External maintenance bypass
- Wall-mounted or standalone
- Remote alarm status panel (RASP)
- Remote summary alarm panel (RSAP)
- Top cable entry cabinet
- Communications cards
- Advanced power management software
- Compact output transformer

Compatible with StruxtureWare for Data Centers

While power, cooling, and cost control remain top concerns in the data center, a Data Center Management team truly requires integrated inisight and control of the various electrical power, cooling, security, and physical IT infrastructure systems that compliment the traditional Enterprise management and network management systems.

StruxureWare™ for Data Centers combines market-leading Data Center Infrastructure management (DCIM) software tools by Schneider Electric™ to collect and manage data about your data center's assets, resource use, and operational status throughout the data center life cycle. This information is processed and applied in ways that help managers meet business and service-oriented goals and optimize your data center's performance.



Low total cost of ownership is achieved with up to 93.5% efficiency ratings.

Comprehensive service offering

Warranty

- One-year parts, labor, and travel included
- Next business day response time
- Eight-hour and four-hour response upgrade available in many locations

Start-up

Start-up service with 5x8 scheduling is included with each MGE Galaxy 5500 to ensure optimal performance. Optionally, you can upgrade to 7x24 scheduling.

Preventive maintenance service

An examination of your system designed to ensure optimal performance; 5x8 scheduling is standard, with an option to upgrade to 7x24 scheduling.

Assembly service

APC authorized service personnel will be dispatched to your site to ensure proper assembly of the MGE Galaxy 5500.

On-site services

Four-hour, next day, or next business day response time options. A factory trained technician will arrive on site to diagnose or repair your system.

Project management

Complete your data center project on time and within budget.

Technical specifications

Rated power (kVA/kW)	20/18	30/27	40/36	60/54	80/72	100/90	120/108
Normal AC supply input							
Input voltage (V)	250 V[1] to 470 V, three-phase						
Normal and bypass AC inputs	Separate						
Frequency (Hz)	45 – 66 Hz						
Input power factor	> .99						
THDI	< 3% full load						
Bypass AC Input							
Input voltage range	(380 V, 400 V, 415 V) +/- 10%						
Frequency	50 Hz/60 Hz +/- 10%						
Output							
Phase to phase output voltage (V)	380 V/400 V/415 V, three-phase + neutral						
Load power factor	0.9						
Output frequency	50 or 60 Hz +/- 0.1%						
Overload capacity utility operation	125% for 10 minutes; 150% for 60 seconds						
Output voltage regulation	+/- 1%						
Voltage distortion (THD)	<2% Phase-to-phase and Phase-to-neutral for non-linear loads						
Output voltage tolerance	+1% static, +/- 2% at 100% load step						
Overall efficiency							
Efficiency at full load (AC-AC) at 100% load	Up to 93.5%						
ECO mode	up to 97%[1]						
Communication and management							
Control panel	Multifunction LCD, status, and control console						
Dimensions and weights							
UPS without battery (H x W x D)	1900 x 712 x 850 mm						
UPS with internal battery (H x W x D)	1900 x 1112 x 850 mm						
Weight in kg (UPS without battery or with built-in battery)	400 kg min. 1045 kg max.						
UPS with integrated transformer dimensions	1900 X 1190 X 850 mm				1900 X 1265 X 850 mm		
UPS with integrated transformer weight	705 kg				1045 kg		
Battery cabinet 700 mm (H x W x D)	1900 x 712 x 850 mm, weight 135 kg						
Battery cabinet 1000 mm (H x W x D)	1900 x 1012 x 850 mm, weight 150 kg						
Auxillary cabinet 700 mm (H x W x D)	1900 x 712 x 848 mm, weight 135 kg min. 150 kg max.						
Auxillary cabinet 1000 mm (H x W x D)	1900 x 1012 x 848 mm, weight 135 kg min. 150 kg max.						
Auxillary cabinet 475 mm with isolation transformer (H x W x D)	1900 x 475 x 848 mm, weight 118 kg min. 305 kg max.						
Auxillary cabinet 550 mm with isolation transformer (H x W x D)	1900 x 550 x 848 mm, weight 118 kg min. 527 kg max.						
Parallel system bypass cabinet (H x W x D)	1000 x 800 x 303 mm min. 1900 x 1010 x 850 mm max. weight 71 kg min. 280 kg max.						
Regulatory							
Safety	ISO 9001						
EMC/EMI/RFI	IEC 62040, IEC 62040-1-2, IEC 62040-3						
Approvals	CE, TUV, GOST						
Environmental							
Operating temperature	0 – 40 degrees C						
Storage temperature	0 – 40 degrees C						
Relative humidity	0 – 95% non-condensing						
Operating elevation	0 – 1000 m						
Storage elevation	0 – 12,000 m						
Max. audible noise at 1 m from unit	55.5 dBA				61.4 dBA		60.2 dBA

[1] Only available in unitary products

email: esupport@apc.com • 132 Fairgrounds Road, West Kingston, RI 02892 USA • 998-1156075