



# APC

## 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



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## 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™ by Schneider Electric™ 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. Complete 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 MGE Galaxy 5500 one of the easiest UPS units in its class to manage and maintain.



# MGE Galaxy 5500

## 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 by Schneider Electric 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.

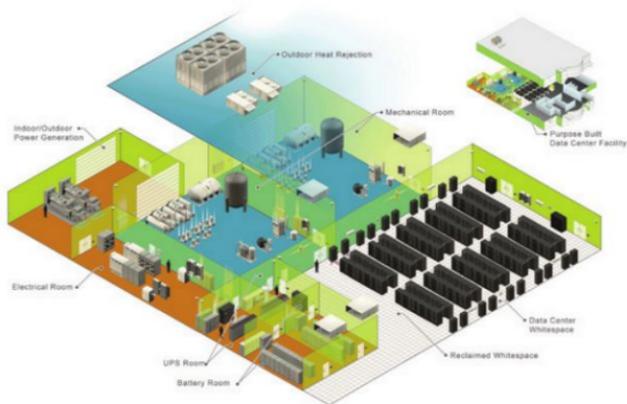
**Field upgradeable:** Change from single to parallel capability, increasing total power capacity, by simultaneously using multiple UPS units.

## Low total cost of ownership

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

**Efficient:** Up to 94 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 unit 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, compliant with IP v6, SNMP v3, and PowerChute™ suite.

### 7 Footprint optimization with "All in one box" configuration

In some configurations the UPS unit includes batteries on its frame to reduce the footprint.



# MGE Galaxy 5500 options

## Integrating isolation transformer

The MGE Galaxy 5500 can be equipped with an isolation transformer, fully integrated to the UPS unit depending on the customer's galvanic isolation need (output or input). Integrating the transformer directly to the UPS unit saves footprint and provides all the benefits of galvanic isolation including 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)
- Top cable entry cabinet
- Communications cards
- Advanced power management software
- Compact transformer
- Full capable back feed protection option
- Additional protection with optional IEC filter
- Synchronization option (to synchronize UPS unit with external source)



Schneider UPS Network Management Card 2 with Environment Monitoring, Out of Band Access and Modbus



MGE Galaxy 5500 External Bypass Wallmount



MGE Galaxy 5500 Battery Cabinet



MGE Galaxy 5500 Transformer 80kVA-120kVA Standalone Cabinet

## StruxureWare Software Suite

APC™ by Schneider Electric™ UPS units and secure power systems are a core component of any architecture designed for highly critical applications, such as data centers, industry environments, infrastructure, and buildings.

Intelligent energy management of these systems is enabled by Schneider Electric EcoStruxure™ integrated hardware and software system architecture. StruxureWare™ software applications and suites are a key element of the EcoStruxure architecture. StruxureWare software helps maximize system reliability and optimize operational efficiency.

StruxureWare for Data Centers software collects and manages real-time information about assets, resource use, and operation status throughout the data center life cycle. This data center infrastructure management (DCIM) software fully integrates the MGE Galaxy 5500. With full system visibility, managers can monitor and apply this information in order to optimize data center performance to meet IT-, business-, and service-oriented goals.



## A Comprehensive Portfolio of Services

Schneider Electric Critical Power & Cooling Services (CPCS) provides the highest quality services and solutions by trained and trusted professionals. Our world-class services offer a smart way to build, operate, and maintain your critical applications, ensuring the right people, in the right place, at the right time.

### Assembly and Start-Up Service

Assembly and Start-Up Service by a certified Field Service Engineer (FSE) ensures full factory warranty coverage. A Schneider Electric-certified installation ensures your equipment is properly and safely configured for optimal performance. This service features a standard eight-hour, five-day response time, with upgrades available for off-business hours.

### On-site Warranty Extension Service

In the event of a system issue, an FSE will arrive by the next business day (or faster with upgrades) to isolate, diagnose, and correct the problem in as little time as possible, minimizing downtime.

### Advantage Plans

Flexible service packages offer hassle-free system maintenance to improve uptime at a predictable cost. The Advantage Plus, Prime, Ultra, and Max are full-service packages that include technical support, preventive maintenance, quick on-site response, and remote monitoring. Response time upgrades are available.

### Remote Monitoring Service (RMS)

RMS is an economical and easy-to-use Web-based service that lets you quickly respond to environmental or system changes. Trained technicians provide secure 24-hour monitoring of your physical infrastructure to diagnose and resolve problems before they become critical.

### Preventive Maintenance

Preventive Maintenance on-site examinations of your critical systems are designed to prevent problems and keep your system running at maximum efficiency.





# APC

## 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 <sup>1</sup> to 470 V, three-phase						
Normal and bypass AC inputs	separate, common in option						
Frequency (Hz)	45 – 66 Hz						
Input power factor	> 0.99						
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 94%						
ECO mode	up to 97% <sup>2</sup>						
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)	400 kg				520 kg		
UPS with transformer dimensions	1900 x 1190 x 850 mm				1900 x 1265 x 850 mm		
UPS with transformer weight	705 kg				1045 kg		
Battery cabinet narrow (H x W x D)	1900 x 712 x 850 mm, weight 135 kg						
Battery cabinet wide (H x W x D)	1900 x 1012 x 850 mm, weight 150 kg						
Auxiliary cabinet narrow (H x W x D)	1900 x 712 x 850 mm, weight 135 kg min.						
Auxiliary cabinet wide (H x W x D)	1900 x 1012 x 850 mm, weight 150 kg min.						
Auxiliary cabinet 475 mm with isolation transformer, up to 60kVA (H x W x D)	1900 x 475 x 850 mm, weight 118 kg min. 305 kg max.						
Auxiliary cabinet 550 mm with isolation transformer, 80-120kVA (H x W x D)	1900 x 550 x 850 mm, weight 118 kg min. 527 kg max.						
Parallel system bypass (wallmounted or cabinet configuration) (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	IEC 62040-1, EN 62040-1						
EMC/EMI/RFI	IEC 62040-2, EN 62040-2						
Approvals	CE, TUV						
Environmental							
Operating temperature	0 to 40 degrees C <sup>3</sup>						
Storage temperature	-20 to 45 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

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<sup>1</sup> At 70% load level <sup>2</sup> Only available in unitary products <sup>3</sup> There is a risk of premature battery aging above 25 degrees C



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