Life Is On | Schneider Electric

MGE Galaxy 5000 for emergency lighting and power equipment

UL 924 listed UPS and battery systems

schneider-electric.com

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.

The MGE Galaxy™ 5000 further enhances performance and reliability by introducing UL 924 listed battery systems for every lighting application. All systems were UL witness tested for compliance with UL 924 criteria for a minimum of 90 minutes of battery operation with a full load on the UPS. Recharge criteria was met with both normal and reduced input voltage conditions. All cabinets have the option of stand-alone or adjacent configurations.

Applications and options

Applications

MGE Galaxy 5000 emergency lighting UPS units are UL 924 tested and certified, providing the industry's highest capacity solution. UL 924 solutions support the following applications:

- Hospitals
- Schools
- Manufacturing facilities
- Transportation
- Commercial buildings
- Office buildings

Comprehensive manageability

All UL 924 UPS units are equipped with communication features for network connectivity and remote management applications. Three communication slots are available on the units for added manageability:

- Alarm relay card
- Jbus/modbus card
- Environmental sensors

Battery system notes

- Flame-retardant batteries standard
- Both UPS and battery systems as listed above must be used in conjunction to qualify for UL 924
- Runtimes meet or exceed 90 minutes to 1.75 VPC per UL 924 requirements
- Circuit breaker protection is provided standard per string with 24 Vdc UVR and Aux. contact options installed

StruxureWare for Data Centers 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 software fully integrates the MGE Galaxy 5000. 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.

Features and benefits

MGE Galaxy 5000 UL 924

Extended backup time

- 90 minutes, as required by the UL 924 standard

Shielded test switch

- Prevents accidental operation

Manually operated test switch

- Allows user to manage standard equipment tests

Eco-mode energy-saving operation mode

- Bypasses unused electrical components in good power conditions to achieve high operating efficiency without sacrificing protection

Dual mains inputs

- Increases availability by allowing the UPS to be connected to two different power sources

Front-access servicing

- Simplifies installation and maintenance while minimizing space requirements

Web-based monitoring

- Integrates with StruxureWare software

Wide input voltage range

- Designed for harsh electrical environments

A comprehensive portfolio of services

Schneider Electric Critical Power & Cooling Services 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 of your solution 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.

Advantage plans

Flexible service packages offer hassle-free system maintenance to improve uptime at a predictable cost. These packages provide your system with the care it needs to operate most efficiently while minimizing downtime. 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.

Technical specifications

Part number	SUG540A90UL SUG540S90UL	SUG550A90UL SUG550S90UL	SUG580A90UL SUG580S90UL	SUG5100A90UL SUG5100S90UL
Rated power (kVA)	40	50	80	100
Normal AC supply input				
Input voltage (V)	480 V core, 3 wire + G (220 V, 208 V, 277 V, 600 V w/aux transformer 4 wire + G)			
Frequency (Hz)	60 Hz +/- 5%			
Input power factor	>.99 at full load			
THDI	<5% at full load			
Input voltage tolerance utility operation	480 V core (166 – 600 V with aux transformer)			
Dual mains input	Yes			
Input voltage tolerance bypass	+10% standard +4, 6, 8, 10% (programmable)			
Back-feed protection	Built-in back-feed contactor			
Output				
Nominal output voltage (V)	480 V core, 3 wire + G (220 V, 208 V, 277 V, 600 V w/aux transformer 4 wire + G)			
Efficiency at full load (AC-AC)	93%	93%	93.5%	94.5%
Load power factor	0.9			
Output frequency	Mains synchronized in normal operation 60 Hz + 0.05% free running			
Overload capacity utility operation	125% for 10 minutes, 150% for 60 seconds			
Overload battery utility operation	150% for 60 seconds			
VTHD	<1% L-L and L-N for nonlinear loads (<2% max)			
Output voltage tolerance	+1% static, +5% at 100% load step			
Communication and management				
Control panel	Multifunction LCD, status, and control console			
Dimensions (in.)				
UPS cabinet dimensions (H x W x D)	75 x 28.3 x 33.4	75 x 28.3 x 33.4	75 x 28.3 x 33.4	75 x 28.3 x 33.4
Battery cabinet 1 dimensions (H x W x D)	75 x 48.5 x 32	75 x 48.5 x 32	75 x 48.5 x 32	75 x 48.5 x 32
Battery cabinet 2 dimensions (H x W x D)	75 x 48.5 x 32	75 x 48.5 x 32	75 x 48.5 x 32	75 x 48.5 x 32
Battery cabinet 3 dimensions (H x W x D)	–	–	75 x 48.5 x 32	75 x 48.5 x 32
Battery cabinet 4 dimensions (H x W x D)	–	–	–	75 x 48.5 x 32
Battery runtime (min)	90	90	90	90
Regulatory				
Safety	UL 1778, ISO 9001, FCC class A cUL			
EMC/EMI/RFI	EN IEC 62040-1, EN IEC 62040-2, EN IEC 62040-3			
Approvals	CE, UL 924			
Environmental				
Storage temperature	-4 °F to 113 °F			
Operating temperature	UPS (32 °F to 104 °F), Battery 66 °F – 77 °F			
Relative humidity	0 – 95% noncondensing			
Operating elevation	< or = 3,281 feet			
Storage elevation	< or = 32,808 feet			
Max. audible noise at 1 m from unit	63 dBA			

Life Is On | Schneider Electric

Schneider Electric

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

www.schneider-electric.com

July 2016

998-1173623_GMA-US_B