MGE Galaxy 300

3:3-phase: 10/15/20/30/40 kVA, 3:1-phase: 10/15/20/30 kVA

Effective and reliable three-phase power protection designed to prevent downtime and data loss for mission-critical applications.

MGE Galaxy 300 — Simplicity you can trust.

The MGE Galaxy™ 300 provides an effective and reliable solution for protecting small server rooms, commercial buildings, and technical facilities. The online, double-conversion topology supplies true isolation between input and output with a zero transfer time. Up to 30 minutes of integrated battery back-up, internal mechanical bypass and parallel capability allows for higher levels of availability. Remote and local monitoring/management capability is achieved through a built-in communication card with a simple Web/SNMP interface and a user-friendly display available in 18 languages. Both 3:3- and 3:1-phase configurations are available for convenient power distribution. Serviceability is greatly enhanced by front access for ease of maintenance in confined spaces. All of these features, along with the included start-up services and on-site warranty, make the MGE Galaxy 300 the easiest UPS in its class to install, manage, and maintain.

APC™

by **Schneider** Electric

Features and benefits

MGE Galaxy 300

Availability
Dual mains input Allows standard installation of one or two independent power sources

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

Parallel 1+1 for redundancy Connected equipment can be powered with two UPS units in parallel to increase system redundancy

Integrated battery back-up Provides higher level of availability with up to 30 minutes of runtime

A robust charger for extended runtime Shortens recharge time to prevent deep discharge damage and provides extended runtime of up to four hours

Serviceability
Manual maintenance bypass Easily accessible maintenance bypass allows complete isolation of each part of the system, facilitating maintenance operations without power interruption

Front-access servicing Push-to-open, close door, and slide-out boards simplify installation and maintenance while minimizing space requirements

World-class service organization With worldwide support and multiple levels of after-sales services, our package or individual on-site service options are structured for you to choose what APC™ by Schneider Electric™ can do for you

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

Temperature-compensated battery charging Sensors monitor battery temperature and adjust charger voltage to prevent premature aging and extend battery lifetime

Efficient Up to 93 percent with online, double conversion topology

Reduced footprint Compact wide or narrow tower makes best use of available space

Simplified installation
Easy to install Wheeled unit rolls into place, and all wiring connections are easily identifiable for time-saving installation

Start-up wizard Step-by-step guidance and intuitive menu screens for easy set-up and system navigation

Manageability
Built in management card for SNMP Remote and local monitoring and management capabilities with simple Web/SNMP interface

User-friendly graphical interface Easy-to-read LCD provides mimic diagrams, audible alarms, and multi-language display, simplifying operation

Typical applications

- Small and medium businesses

- Commercial buildings: shop floors, hotels, convention centers

- Transportation and infrastructures

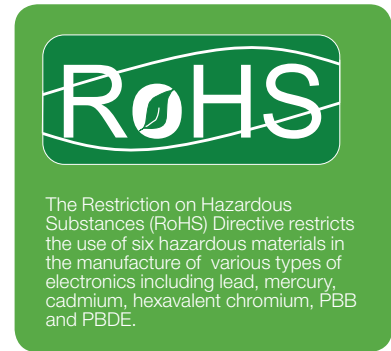- Telecommunication

- Technical facilities

Reducing environmental impact for sustainable development.

Beyond international environmental regulations

The critical power industry commits to environmental issues. Schneider Electric demonstrates a true commitment to sustainable development with systematic attempts to exceed current and future requirements imposed by standards that include:

- ISO 14001 certification of sites and R&D

- Eco-design standards and eco-production

- RoHS compliance

MGE Galaxy 300 takes environmental issues into account at each stage of the product's life cycle.

RoHS

The Restriction on Hazardous Substances (RoHS) Directive restricts the use of six hazardous materials in the manufacture of various types of electronics including lead, mercury, cadmium, hexavalent chromium, PBB and PBDE.

Product development according to environmental standards

Design
Reduced number of parts and advanced digital electronics used to improve reliability and lessen environmental impact:

- Fewer electronic boards

- Software updates via downloading instead of changing boards

Raw materials
Compact size and low weight of design requires fewer — and more environmentally friendly — raw materials:

- New design for a transformerless UPS

- More silicon, less copper

- More powerful IGBTs changing boards

Manufacturing
Produced in factories that comply with the ISO 14001 standard to reduce:

- Energy consumption

- Packaging waste for supplier parts

- Amounts of materials used in the process

Design

Raw material

Manufacturing

Operation

End of life
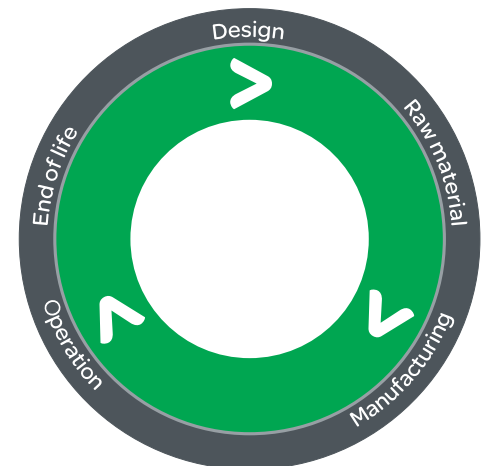
Energy efficiency through quality power solutions

- Reduced consumption, as a result of the IGBT rectifier (low harmonics), reduces sizing of the electrical distribution system (breakers, cables, and generator).

- High-efficiency UPS solutions to reduce heat losses

- Up to 93 percent efficiency in online mode

Battery options

The MGE Galaxy 300 provides integrated batteries for runtimes up to 30 minutes. For extended runtime needs, three external battery cabinets can be used with a robust charger option to increase runtime up to four hours. Temperature sensors come standard to monitor the battery ambient temperature and adjust the charger voltage to protect the batteries and delay premature aging. External battery function is also protected by a circuit breaker equipped with an undervoltage coil in the external battery cabinet.

UPS with integrated batteries

KVA	3:1 Model number	3:3 Model number	Typical runtime (*)
10	G3HT10K3IB1S G3HT10K3IB2S	G3HT10KHB1S G3HT10KHB2S	13 min 35 min
15	G3HT15K3IB1S G3HT15K3IB2S	G3HT15KHB1S G3HT15KHB2S	9 min 33 min
20	G3HT20K3IB1S G3HT20K3IB2S	G3HT20KHB1S G3HT20KHB2S	12 min 25 min
30	G3HT30K3IB1S G3HT30K3IB2S	G3HT30KHB1S G3HT30KHB2S	13 min 29 min
40	N/A	G3HT40KHB1S G3HT40KHB2S	10 min 20 min

UPS with robust charger for extended runtime and external battery cabinet options

KVA	UPS (3:1) Model number	UPS (3:3) Model number	Battery cabinet model number	Typical runtime (*)
10	G3HT10K3ILS	G3HT10KHLS	G3HTBAT1 G3HTBAT2 G3HTBAT3	113 min 203 min 267 min
15	G3HT15K3ILS	G3HT15KHLS	G3HTBAT1 G3HTBAT2 G3HTBAT3	65 min 121 min 173 min
20	G3HT20K3ILS	G3HT20KHLS	G3HTBAT2 G3HTBAT3	86 min 120 min
30	G3HT30K3ILS	G3HT30KHLS	G3HTBAT2 G3HTBAT3	55 min 71 min
40	N/A	G3HT40KHLS	G3HTBAT3	53 min

Battery cabinet dimension (H x W x D): 51.18 x 19.69 x 33.46 in.
G3HTBAT1 is composed of one cabinet; G3HTBAT2 and G3HTBAT3 are composed of two cabinets

(*) Typical runtime at 70% load

MGE Galaxy 300

Economy

Optimized features The Galaxy 300 is designed to provide optimal performance. The most in-demand features have been carefully selected to propose the right solution for predictable and reliable power protection, offering the benefits of a true double-conversion online architecture

Reduced footprint Narrow and wide tower options optimize the system footprint based on kVA power requirements

Simplified maintenance A full maintenance bypass with front access permits complete isolation of each part of the system and facilitates maintenance operations without power interruption
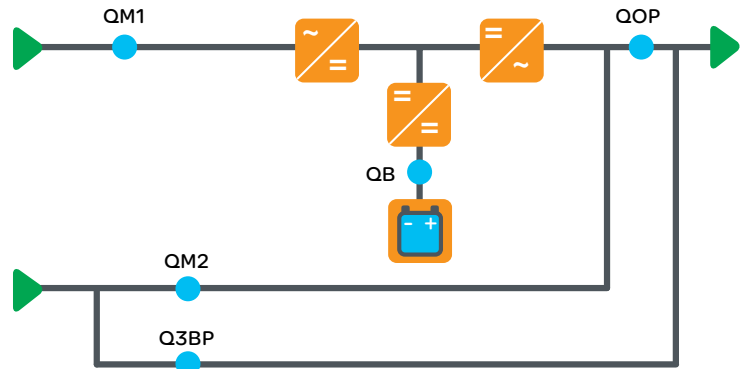
StruxureWare for Data Centers software suite

In the data center environment, our Galaxy 300 UPS is fully managed through StruxureWare™ for Data Centers software, an integrated suite of data center infrastructure management (DCIM) applications. It enables businesses to prosper by managing their data centers across multiple domains, providing actionable intelligence for an ideal balance of high availability and peak efficiency throughout the entire data center life cycle. StruxureWare software applications and suites are a key element of Schneider Electric EcoStruxure™ integrated hardware and software system architecture — a system designed for intelligent energy management.

Options

External battery cabinet for additional runtime
Supplied with breakers and temperature sensors

Parallel kit for **1+1 parallel redundancy**
(G3HTPARKITS)

Empty cabinet for third-party batteries or transformers
Line up and match cabinet for third party batteries and transformers

Communication cards

- Network management card supplied with the product (AP9630) for Web/SNMP functions

- Optional card (AP9635CH) for additional features such as Modbus/Jbus over RS485, Teleservice, and environmental sensors: Temperature (AP9335T), Temperature and Humidity (AP9335TH), Dry contact I/O (AP9810)

A comprehensive portfolio of services

Schneider Electric Critical Power & Cooling Services (CPCS) provides the expertise, services, and support you need for your building, industry, power, or data center infrastructure. Our world-class life cycle services offer a smart way to install and maintain your critical applications, ensuring your systems are always running at peak performance.

Technical specifications

Rated power (kVA/kW)	10/8	15/12	20/16	30/24	40/32
Normal AC supply input					
Input voltage (V)	380/400/415 V (three-phase + neutral)				
Frequency (Hz)	45 – 65 Hz				
Input power factor	Up to 0.99 At >50% load				
Thdi	<7% At full load				
Input voltage tolerance utility operation	340 V to 477 V at full load (-15% to +20% at 400 V)				
Dual mains input	Yes				
Output					
Nominal output voltage (V)	3:1 — 220/230/240 V				N/A
	3:3 — 380/400/415 V (three-phase + neutral)				
Efficiency at full load (online)	Up to 93%				
Output frequency	Mains synchronized in normal operation 50hz or 60hz + 0.1% Free-running				
Overload capacity utility operation	125% For 2 minutes, 150% for 10 seconds				
Output voltage tolerance	+2% Static, +5% at 100% load step				
Communication and management					
Communication interface	Network management card (AP9630)				
Control panel	Multi-function lcd, status and display console				
Dimensions and weight					
UPS dimensions (H x W x D) – 3:1	51.18 x 15.75 x 33.86 in.		51.18 x 19.69 x 33.86 in.		N/A
UPS dimensions (H x W x D) – 3:3	51.18 x 15.75 x 33.86 in.			51.18 x 19.69 x 33.86 in.	
UPS weight (lb) without batteries (3:1/3:3)	319.67/286.60 lb.		407.86/286.60 lb.		436.51 lb.
Ups maximum weight (lb) with integrated batteries	1,355.84 lb.				
Battery cabinet dimensions (H x W x D)	51.18 X 25.98 x 33.46 in.				
Battery cabinet — minimum weight	231.49 lb.				
Battery cabinet — maximum weight	1,344.82 lb.				
Regulatory					
Safety	IEC/EN62040-1-1				
EMC/EMI/RFI	IEC 62040-2				
Approvals	CE, TUV				
Environmental					
Operating temperature	32°F to 95°F				
Relative humidity	0 to 90% non-condensing				
Operating elevation	0 to 3,280.84 ft. at 100% load				
Max. audible noise at 3.28 ft. from unit	54 dBA at 100% load			53 dBA at 100% load	
Protection class	IP20				