

# Product data sheet

Specifications



## MGE Galaxy 300 40kVA 400V 3:3 with 10min Battery, Start-up 5x8

G3HT40KHB1S

- ⚠ Discontinued on: 16 July 2020
- ⚠ To be end-of-service on: 31 December 2029

⚠ Discontinued - Service only

### Overview

Presentation	Effective three phase power protection against downtime and data loss for mission critical applications. Ruggedized version including dust filter and conformance coated boards for harsh environments.
Lead time	Usually Ships within 2 Weeks

### Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated power in W	32000 W
Rated power in VA	40000 VA
Output connector type	Hard wire 5-wire (3P + N + E) 1
Battery type	Lead-acid battery
Provided equipment	CD with software Installation guide Network management card Start-up service User manual

### General

Number of power module free slots	0
Number of power module filled slots	0
Redundant	No

### Physical

Height	130 cm
Width	50 cm
Depth	95 cm
Net weight	446 kg
Mounting preference	No preference

USB compatible	No
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## Input

Network frequency	45...65 Hz
Number of input connectors	1 hard wire 5-wire (3P + N + E)
Input voltage limits	323...437 V adjustable 380 V 340...460 V adjustable 400 V 357...477 V adjustable 415 V 340...477 V
Maximum input current	60 A
Switching current capacity	125 A
Input harmonic distortion	Less than 5 % for full load
Input protection type	GL fuse
Inrush current	200 A peak
Load power factor	0.5 leading to 0.5 lagging
Input Power Factor at Full Load	0.99

## Output

Maximum configurable power in W	32000 W
Harmonic distortion	Less than 5 %
Output frequency	50/60 Hz +/- 5 % sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
Crest factor	2.5 : 1
Wave type	Sine wave
Output voltage tolerance	+/- 2% static and 100% load step
Output harmonic distortion	< 3% linear load and < 5% non-linear load
Output overload operation	60 seconds at 120% and 30 seconds at 145%
Required output current protection	125 A
Maximum output current	87 A
Maximum configurable power in VA	40000 VA

## Conformance

Product certifications	CE TÜV
Standards	EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 IEC 61000-4-5 IEC 62040-2 VFI-SS-111

## Environmental

Ambient air temperature for operation	0...35 °C
Relative humidity	0...95 %
Operating altitude	0...10000 ft
Ambient air temperature for storage	-10...60 °C

Storage Relative Humidity	0...95 %
Storage altitude	0.00...9144.00 m
Acoustic level	53.6 dBA
Heat dissipation	2479 Btu/h
IP degree of protection	IP20

### Batteries & Runtime

Number of battery filled slots	0
Number of battery free slots	0
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Battery voltage	+/- 192 V (split battery referenced to neutral)
Discharge battery voltage	+/- 154 V
Battery power in VAH	0 VAh runtime
Battery life	3...5 year(s)
Extended runtime	0

### Communications & Management

Preinstalled device	Network management card
Control panel	Multifunction LCD status and control console
Emergency power off	Yes

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	144 cm
Package 1 Width	96.5 cm
Package 1 Length	80 cm
Package 1 Weight	472 kg

### Offer Sustainability

EU RoHS Directive	Will be compliant – Date to be confirmed
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

### Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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### Recommended replacement(s)

G3HT40KHB1S is replaced by:

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Easy UPS 3S 40 kVA 400V 3:3 UPS, 3 internal 7Ah modular battery strings,  
expandable to 4  
E3SUPS40KHB1

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