

# Product data sheet

Specifications



## MGE Galaxy 300 20kVA 400V 3:3, Start-up 5x8

G3HT20KHS

⚠ Discontinued on: Apr 29, 2024

⚠ To be end-of-service on: Dec 31, 2029

⚠ Discontinued - Service only

## Overview

**Presentation** Effective three phase power protection against downtime and data loss for mission critical applications. UPS supplied without batteries so third-party batteries can be installed internally

**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** 16000 W

**Rated power in VA** 20000 VA

**Output connector type** Hard wire 5-wire (3P + N + E) 1

**Battery type** Internal third-party batteries (not supplied)

**Provided equipment** CD with software  
Installation guide  
Network management card  
Start-up service  
User manual

## Batteries & Runtime

**Efficiency** [View Efficiency Graph](#)

**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

## General

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

## Physical

|                     |               |
|---------------------|---------------|
| Height              | 130 cm        |
| Width               | 40 cm         |
| Depth               | 86 cm         |
| net weight          | 130 kg        |
| Mounting preference | No preference |
| USB compatible      | No            |

## 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<br>340...460 V adjustable 400 V<br>357...477 V adjustable 415 V<br>340...477 V |
| Maximum input current           | 30 A                                                                                                        |
| Switching current capacity      | 63 A                                                                                                        |
| Input harmonic distortion       | Less than 9 % 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 | 0.98                                                                                                        |

## Output

|                                    |                                                                                                                                        |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Maximum configurable power in W    | 16000 W                                                                                                                                |
| Harmonic distortion                | Less than 5 %                                                                                                                          |
| Output frequency                   | 50/60 Hz +/- 5 % sync to mains<br>60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised<br>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 | 63 A                                                                                                                                   |
| Maximum output current             | 43 A                                                                                                                                   |
| Maximum configurable power in VA   | 20000 VA                                                                                                                               |

## Conformance

|                               |                                                                                     |
|-------------------------------|-------------------------------------------------------------------------------------|
| <b>Product certifications</b> | CE<br>TÜV                                                                           |
| <b>Standards</b>              | EN/IEC 62040-2<br>EN/IEC 62040-3<br>EN/IEC 62040-1-1<br>EN 61000-4-5<br>IEC 62040-2 |

## Environmental

|                                              |                                  |
|----------------------------------------------|----------------------------------|
| <b>Ambient air temperature for operation</b> | 0...35 °C                        |
| <b>Relative humidity</b>                     | 0...95 %                         |
| <b>Operating altitude</b>                    | 0...10000 ft                     |
| <b>Ambient air temperature for storage</b>   | -10...60 °C                      |
| <b>Storage Relative Humidity</b>             | 0...95 %                         |
| <b>Storage altitude</b>                      | 0.0000000000...9144.0000000000 m |
| <b>Acoustic level</b>                        | 54.5 dBA                         |
| <b>heat dissipation</b>                      | 1260 Btu/h                       |
| <b>IP degree of protection</b>               | IP20                             |

## Communications & Management

|                            |                                              |
|----------------------------|----------------------------------------------|
| <b>Preinstalled device</b> | Network management card                      |
| <b>control panel</b>       | Multifunction LCD status and control console |
| <b>Emergency power off</b> | Yes                                          |

## Packing Units

|                                     |            |
|-------------------------------------|------------|
| <b>Unit Type of Package 1</b>       | PCE        |
| <b>Number of Units in Package 1</b> | 1          |
| <b>Package 1 Height</b>             | 144 cm     |
| <b>Package 1 Width</b>              | 80 cm      |
| <b>Package 1 Length</b>             | 96.5 cm    |
| <b>Package 1 Weight</b>             | 154.675 kg |

## Contractual warranty

|                 |                                                                   |
|-----------------|-------------------------------------------------------------------|
| <b>Warranty</b> | 1 year on-site repair or replace with factory authorized Start-Up |
|-----------------|-------------------------------------------------------------------|

## Sustainability

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Energy Efficient Take-back Transparency

## Resource performance

✓ Energy Efficient Product

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✓ Take-Back Program Available

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## Well-being performance

✓ Mercury Free

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Eu Rohs Directive

Will be compliant – Date to be confirmed

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Environmental Disclosure

[Product Environmental Profile](#)

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Circularity Profile

[End of Life Information](#)

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