

Product data sheet

Specifications



MGE Galaxy 300 20kVA 400V 3:3 with 25min Battery, Start-up 5x8

G3HT20KHB2S

⚠ 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. 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 | 16000 W |
| Rated power in VA | 20000 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 |

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 |
| Extended runtime | 0 |

General

| | |
|-----------------------------------|---|
| Number of power module free slots | 0 |
|-----------------------------------|---|

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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

Physical

| | |
|---------------------|---------------|
| Height | 130 cm |
| Width | 40 cm |
| Depth | 95 cm |
| net weight | 375 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 340...460 V adjustable 400 V 357...477 V adjustable 415 V 340...477 V |
| Maximum input current | 30 A |
| Switching current capacity | 63 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 | 0.98 |

Output

| | |
|------------------------------------|--|
| Maximum configurable power in W | 16000 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 |
| Required output current protection | 63 A |
| Maximum output current | 43 A |
| Maximum configurable power in VA | 20000 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 | 0.0000000000...9144.0000000000 m |
| Acoustic level | 54.5 dBA |
| heat dissipation | 1260 Btu/h |
| IP degree of protection | IP20 |

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 | 143.993 cm |
| Package 1 Width | 80.01 cm |
| Package 1 Length | 96.495 cm |
| Package 1 Weight | 399.161 kg |

Contractual warranty

| | |
|----------|---|
| Warranty | 1 year on-site repair or replace with factory authorized Start-Up |
|----------|---|

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Energy Efficient Take-back Transparency

Resource performance

✓ Energy Efficient Product

✓ Take-Back Program Available

Well-being performance

✓ Mercury Free

Eu Rohs Directive Not compliant

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)