

# Product data sheet

Specifications



## MGE Galaxy 3500 15kVA 400V 3:1 with 4 Battery Modules, Start-up 5X8

G35T15K3I4B4S

⚠ Discontinued on: Jul 5, 2021

⚠ End-of-service on: Oct 18, 2023

⚠ Discontinued

### Overview

Lead Time Usually Ships within 2 Weeks

### Main

|                         |   |
|-------------------------|---|
| Main Input Voltage      | 400 V 3 phases  |
| Other Input Voltage     | 380 V<br>415 V  |
| Main Output Voltage     | 230 V   |
| Other Output Voltage    | 220 V<br>240 V  |
| Rated Power In W        | 12000 W   |
| Rated Power In Va       | 15000 VA  |
| Output Connector Type   | Hard wire 3-wire (H N + E) 1  |
| Connections - Terminals | 1 screw terminals   |
| Battery Type            | Lead-acid battery   |
| Provided Equipment      | Battery modules ship installed<br>Bolt down brackets<br>CD with software<br>Installation guide<br>Network management card<br>Power modules ship installed<br>Smart UPS signalling RS-232 cable<br>Start-up service<br>User manual |

### Batteries & Runtime

|                                |  |
|--------------------------------|--|
| Run Time                       | <a href="#">View Runtime Graph</a>                       |
| Efficiency                     | <a href="#">View Efficiency Graph</a>                    |
| Number Of Battery Filled Slots | 4  |
| Number Of Battery Free Slots   | 0  |
| Battery Recharge Time          | 5 h  |
| Additional Information         | Configurable for 220 : 230 or 240 nominal output voltage |
| Battery Voltage                | +/- 192 V (split battery referenced to neutral)          |
| Discharge Battery Voltage      | +/- 154 V  |
| Max Current Discharge          | 109.7 A  |
| Battery Overload Operation     | 10 minutes at 125% and 60 seconds at 150%                |

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

|                        |  |
|------------------------|--|
| Battery Charger Power  | 1958 W rated   |
| Battery Power In Vah   | 9810 VAh runtime   |
| Battery Life           | 3...5 year(s)  |
| Battery Graph Comments | Estimated runtimes based on battery vendor data, at typical environmental conditions, with no electrical input and balanced PF = 0.8 output. |
| Extended Runtime       | 0  |

## General

|                                     |    |
|-------------------------------------|----|
| Number Of Power Module Free Slots   | 0  |
| Number Of Power Module Filled Slots | 0  |
| Redundant                           | No |

## Physical

|                     |               |
|---------------------|---------------|
| Height              | 149 cm        |
| Width               | 52.3 cm       |
| Depth               | 84.2 cm       |
| Net Weight          | 656 kg        |
| Mounting Preference | No preference |
| Usb Compatible      | No            |

## Input

|                                 |   |
|---------------------------------|---|
| Network Frequency               | 40...70 Hz auto-sensing                     |
| Number Of Input Connectors      | 1 hard wire 5-wire (3P + N + E)             |
| Input Voltage Limits            | 340...460 V adjustable 400 V<br>304...477 V |
| Maximum Input Current           | 20 A  |
| Switching Current Capacity      | 25 A  |
| Input Harmonic Distortion       | Less than 5 % for full load                 |
| Input Protection Type           | 3-pole circuit breaker                      |
| 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 | 12000 W  |
| Harmonic Distortion             | Less than 5 %  |
| Output Frequency                | 47...53 Hz for 50 Hz nominal sync to mains<br>50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised |
| Crest Factor                    | Unlimited  |
| Wave Type                       | Sine wave  |
| Output Voltage Tolerance        | +/- 5% static and 100% load step   |
| Output Harmonic Distortion      | < 2% for 0 to 100% linear load and < 6% for full non-linear load                               |
| Output Overload Operation       | 10 minutes at 125% and 60 seconds at 150%  |

|                                    |   |
|------------------------------------|---|
| Required Output Current Protection | 75 A  |
| Bypass Type                        | Built-in maintenance bypass<br>Built-in static bypass |
| Efficiency                         | 95 % (in battery operation)                           |
| Maximum Configurable Power In Va   | 15000 VA  |

## Conformance

|                        |   |
|------------------------|---|
| Product Certifications | CE  |
| Standards              | EN 50091-2<br>EN/IEC 62040-3<br>EN/IEC 62040-1-1<br>IEC 61000-3-2<br>IEC 61000-3-3<br>ISO 14001<br>ISO 9001<br>VFI-SS-111 |

## Environmental

|                                       |                   |
|---------------------------------------|-------------------|
| Ambient Air Temperature For Operation | 0...40 °C         |
| Relative Humidity                     | 0...95 %          |
| Operating Altitude                    | 0...3333 ft       |
| Ambient Air Temperature For Storage   | -15...45 °C       |
| Storage Relative Humidity             | 0...95 %          |
| Storage Altitude                      | 0.00...15240.00 m |
| Acoustic Level                        | 51.3 dBA          |
| Heat Dissipation                      | 1965 Btu/h        |
| Ip Degree Of Protection               | IP51              |

## Communications & Management

|                     |   |
|---------------------|---|
| Free Slots          | 0   |
| Preinstalled Device | Network management card 2 with environmental monitoring |
| 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             | 164.3 cm |
| Package 1 Width              | 106.2 cm |
| Package 1 Length             | 65 cm    |
| Package 1 Weight             | 687 kg   |

## Contractual warranty

|          |                          |
|----------|--------------------------|
| Warranty | 1 year repair or replace |
|----------|--------------------------|

# Sustainability

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|                           |   |
|---------------------------|---|
| Eu Rohs Directive         | Not applicable, out of EU RoHS legal scope  |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |