# Product data sheet

Specifications



## MGE Galaxy 5000 80 kVA

G5TUPS80

Discontinued on: Feb 9, 2024

To be end-of-service on: Dec 31, 2030

Discontinued - Service only

## Overview

| | |
|---|---|
| **Presentation** | A versatile 3-phase UPS for facility, industrial and data center applications. Configurable system with a comprehensive range of accessories to meet your application demands. |
| **Lead Time** | Usually Ships within 2 Weeks |

## Main

| | |
|---|---|
| **Main Input Voltage** | 400 V 3 phases<br>480 V 3 phases<br>600 V 3 phases |
| **Other Input Voltage** | 380 V<br>400 V<br>415 V |
| **Main Output Voltage** | 400 V 3 phases<br>480 V 3 phases<br>600 V 3 phases |
| **Other Output Voltage** | 208 V<br>220 V<br>380 V<br>415 V |
| **Rated Power In W** | 72000 W |
| **Rated Power In Va** | 80000 VA |
| **Output Connector Type** | Hard wire 4-wire (3P + E) 1<br>Hard wire 5-wire (3P + N + E) 1 |
| **Battery Type** | External battery system |
| **Provided Equipment** | Installation guide<br>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 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

| | |
|---|---|
| **Colour** | Charcoal |
| **Height** | 190 cm |
| **Width** | 71.2 cm |
| **Depth** | 84.8 cm |
| **Net Weight** | 520 kg |
| **Mounting Preference** | No preference |
| **Usb Compatible** | No |

## Input

| | |
|---|---|
| **Network Frequency** | 45...65 Hz |
| **Number Of Input Connectors** | 1 hard wire 4-wire (3P + E) |
| **Input Voltage Limits** | 340...460 V 400 V<br>408...538 V |
| **Maximum Input Current** | 152 A |
| **Switching Current Capacity** | 250 A |
| **Max Short Time Withstand Current** | 30 kA |
| **Input Harmonic Distortion** | Less than 3 % for full load |
| **Input Protection Type** | 3-pole circuit breaker |
| **Load Power Factor** | 0.9 |
| **Input Power Factor At Full Load** | 1 |

## Output

| | |
|---|---|
| **Maximum Configurable Power In W** | 72000 W |
| **Harmonic Distortion** | Less than 2 % |
| **Output Frequency** | 50 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 % 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** | 3 : 1 |
| **Wave Type** | Sine wave |
| **Output Voltage Tolerance** | +/- 1% static and +/- 2 % at 100% load step |
| **Output Harmonic Distortion** | < 1% linear load and < 2.5% non-linear load |
| **Output Overload Operation** | 10 minutes at 125% and 60 seconds at 150% |
| **Required Output Current Protection** | 115 A |
| **Bypass Type** | Internal bypass (automatic and manual)<br>Optional external bypass |
| **Maximum Configurable Power In Va** | 80000 VA |

## Conformance

| | |
|---|---|
| **Product Certifications** | cUL listed<br>CE<br>FCC part 15 class A<br>TÜV<br>UL 1778<br>VDE |
| **Standards** | EN/IEC 62040-1-1<br>EN/IEC 62040-2<br>EN/IEC 62040-3<br>IEC 61000-3-2<br>IEC 62040-1-2<br>IEC 62040-2<br>ISO 9001<br>ISO 14001 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature For Operation** | 0…40 °C |
| **Relative Humidity** | 0…95 % |
| **Operating Altitude** | 0...3333 ft |
| **Ambient Air Temperature For Storage** | -20…45 °C |
| **Storage Relative Humidity** | 0…95 % |
| **Storage Altitude** | 0.00…3048.00 m |
| **Acoustic Level** | 63 dBA |
| **Heat Dissipation** | 19791 Btu/h |

## Communications & Management

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|---|---|
| **Free Slots** | 3 |
| **Control Panel** | Multifunction LCD status and control console |
| **Emergency Power Off** | Optional |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 203 cm |
| **Package 1 Width** | 96 cm |
| **Package 1 Length** | 98 cm |
| **Package 1 Weight** | 540 kg |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 1 year on-site repair or replace with factory authorized Start-Up, 1 year (parts only) |