

# Product data sheet

Specifications



## MGE Galaxy 5500 80kVA 400-415V Single UPS Marine IP22 RAL 7035, Start-up 5X8

G55TUPU80HMS

! Discontinued

! Discontinued on: Sep 6, 2021

! End-of-service on: Oct 18, 2023

### Overview

|              |  |
|--------------|--|
| Presentation | UPS is designed to meet the marine standard requirement. |
| Lead Time    | Special Order - Call for Quoted Lead Times               |

### Main

|                      |                                   |
|----------------------|-----------------------------------|
| Main Input Voltage   | 400 V 3 phases                    |
| Other Input Voltage  | 380 V<br>415 V                    |
| Main Output Voltage  | 400 V 3 phases                    |
| Other Output Voltage | 380 V<br>415 V                    |
| Rated Power In W     | 72000 W                           |
| Rated Power In Va    | 80000 VA                          |
| Battery Type         | External battery system           |
| Provided Equipment   | Installation guide<br>User manual |

### Batteries & Runtime

|                                |  |
|--------------------------------|--|
| Number Of Battery Filled Slots | 0  |
| Number Of Battery Free Slots   | 0  |
| Additional Information         | Configurable for 400 or 415 V 3 Phase nominal output voltage |
| Battery Charger Power          | 9300 W rated   |
| Battery Power In Vah           | 93 VAh runtime   |
| Battery Life                   | 8...10 year(s)   |
| Extended Runtime               | 0  |

### General

|                                   |   |
|-----------------------------------|---|
| Bypass Wiring Configuration       | 4 wire (3P + N)<br>5 wire (3P + N + E)    |
| Bypass Voltage Tolerance          | +/- 10 % settable from +/- 4/6/8 and 10 % |
| Max Bypass Input Current          | 115 A                                     |
| Bypass Current Protection         | 160 A                                     |
| 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              | 221 cm        |
| Width               | 71.2 cm       |
| Depth               | 85.5 cm       |
| Net Weight          | 588 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)<br>1 hard wire 4-wire (3P + N)  |
| Input Voltage Limits             | 323...437 V 380 V<br>340...460 V 400 V<br>353...477 V 415 V |
| Maximum Input Current            | 152 A   |
| Switching Current Capacity       | 250 A   |
| Max Short Time Withstand Current | 20 kA   |
| Input Harmonic Distortion        | Less than 5 % for full load                                 |
| Input Protection Type            | GL fuse   |
| 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>50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised |
| Crest Factor                       | 3 : 1  |
| Wave Type                          | Sine wave  |
| Output Voltage Tolerance           | +/- 2% static and 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  |
| Neutral Output Current             | 115 A  |
| Bypass Type                        | Built-in maintenance bypass<br>Built-in static bypass<br>Optional external bypass                                  |
| Efficiency                         | 93 % (full load)<br>90 % (half load)   |
| Maximum Output Current             | 240 A  |

|                                  |          |
|----------------------------------|----------|
| Maximum Configurable Power In Va | 80000 VA |
|----------------------------------|----------|

## Conformance

|                        |  |
|------------------------|--|
| Product Certifications | CE<br>TÜV<br>VDE   |
| Standards              | EN/IEC 62040-1<br>EN/IEC 62040-2<br>EN/IEC 62040-3<br>ISO 9001 |

## Environmental

|                                       |                  |
|---------------------------------------|------------------|
| Ambient Air Temperature For Operation | 0...40 °C        |
| Relative Humidity                     | 0...95 %         |
| Operating Altitude                    | 0...10000 ft     |
| Ambient Air Temperature For Storage   | -20...45 °C      |
| Storage Relative Humidity             | 0...95 %         |
| Storage Altitude                      | 0.00...3657.60 m |
| Acoustic Level                        | 63 dBA           |
| Ip Degree Of Protection               | IP20<br>IP32     |

## Communications & Management

|                     |  |
|---------------------|--|
| Free Slots          | 3  |
| Preinstalled Device | Network management card 2 with environmental monitoring, out of band access and Modbus - Schneider |
| 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             | 233 cm |
| Package 1 Width              | 120 cm |
| Package 1 Length             | 108 cm |
| Package 1 Weight             | 610 kg |

## Contractual warranty

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

## Sustainability

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|                           |   |
|---------------------------|---|
| Eu Rohs Directive         | Under investigation   |
| 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> |