

# Product data sheet

Specifications



## MGE Galaxy 5500 100kVA 400-415V Integrated Parallel UPS Marine IP22 RAL 7035, Start-up 5X8

G55TUPM100HMS

❗ Discontinued on: 06 September 2021

❗ End-of-service on: 18 October 2023

❗ Discontinued

### 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 400 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated power in W	90000 W
Rated power in VA	100000 VA
Output connector type	Hard wire 4-wire (3P + E) 1
Battery type	External battery system
Provided equipment	Installation guide User manual

### Batteries & Runtime

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 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) 5 wire (3P + N + E)
Bypass voltage tolerance	+/- 10 % settable from +/- 4/6/8 and 10 %

Max bypass input current	144 A
Bypass current protection	200 A
Number of power module free slots	0
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) 1 hard wire 4-wire (3P + N)
Input voltage limits	323...437 V 380 V 340...460 V 400 V 353...477 V 415 V
Maximum input current	190 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	GL fuse
Load power factor	0.9
Input Power Factor at Full Load	1

## Output

Maximum configurable power in W	90000 W
Harmonic distortion	Less than 2 %
Output frequency	50 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 % sync to mains 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	144 A
Neutral output current	217 A
Bypass type	Built-in maintenance bypass Built-in static bypass Optional external bypass
Efficiency	93 % (full load)

	91 % (half load)
Maximum output current	480 A
Maximum configurable power in VA	100000 VA

### Conformance

Product certifications	CE TÜV VDE
Standards	IEC 62040-1-2 EN/IEC 62040-2 EN/IEC 62040-3 ISO 9001

### 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...12192.00 m
Acoustic level	63 dBA
IP degree of protection	IP20

### 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	234 cm
Package 1 Width	120 cm
Package 1 Length	108 cm
Package 1 Weight	610 kg

### Offer Sustainability

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>

### Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up, 1 year (parts only)
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### Recommended replacement(s)

G55TUPM100HMS is replaced by the following product range:



**Marine**

High availability, ruggedized power protection for shipboard and other transportation applications.

Products: 69