

# Product data sheet

Specifications



## MGE Galaxy 5500 120kVA 400V Integrated Parallel UPS, Start-up 5x8

G55TUPSM120HS

! Discontinued on: 25 August 2021

! To be end-of-service on: 31 December 2030

! Discontinued - Service only

### Overview

<b>Presentation</b>	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.
<b>Lead time</b>	Usually Ships within 2 Weeks

### Main

<b>Main Input Voltage</b>	400 V 3 phases
<b>Other Input Voltage</b>	380 V 415 V
<b>Main Output Voltage</b>	400 V 3 phases
<b>Other Output Voltage</b>	380 V 415 V
<b>Rated power in W</b>	108000 W
<b>Rated power in VA</b>	120000 VA
<b>Output connector type</b>	Hard wire 4-wire (3P + E) 1
<b>Battery type</b>	External battery system
<b>Provided equipment</b>	Installation guide Network management card Start-up service User manual

### General

<b>Bypass voltage tolerance</b>	+/- 10 % settable from +/- 4/6/8 and 10 %
<b>Max bypass input current</b>	173 A
<b>Number of power module free slots</b>	0
<b>Number of power module filled slots</b>	0
<b>Redundant</b>	No

### Physical

<b>Height</b>	190 cm
<b>Width</b>	71.2 cm
<b>Depth</b>	85 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) 1 hard wire 4-wire (3P + N)
Input voltage limits	250...470 V adjustable 323...437 V 380 V 340...460 V 400 V 353...477 V 415 V
Maximum input current	173 A
Switching current capacity	315 A
Max short time withstand current	30 kA
Input harmonic distortion	Less than 3 % for full load
Input protection type	3-pole circuit breaker
Inrush current	200 A peak
Load power factor	0.9
Input Power Factor at Full Load	1

## Output

Maximum configurable power in W	108000 W
Harmonic distortion	Less than 2 %
Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 50/60 Hz +/- 1 Hz 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	80 A
Neutral output current	174 A
Bypass type	Built-in maintenance bypass Built-in static bypass Optional external bypass
Efficiency	93.2 % (full load) 93.6 % (half load)
Maximum output current	480 A
Maximum configurable power in VA	120000 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	61.4 dBA
Heat dissipation	28362 Btu/h
IP degree of protection	IP20

## Batteries & Runtime

Number of battery filled slots	0
Number of battery free slots	0
Battery recharge time	10 h
Additional information	Battery runtimes are estimates only. Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Battery voltage	432 V
Battery power in VAH	0 VAh runtime
Battery life	8...10 year(s)
Battery option	G55TBATL7B 1 32000 VAh G55TBATL10B 1 33000 VAh G55TBATL10A 1 46000 VAh G55TBAT2L7C 1 60000 VAh G55TBAT2L10C 1 100000 VAh
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

## Communications & Management

Free slots	2
Preinstalled device	Network management card 2 with environmental monitoring, out of band access and Modbus
Control panel	Multifunction LCD status and control console
Emergency power off	Yes

## Packing Units

Package 1 Weight	540 kg
Package 1 Height	203 cm
Package 1 width	98 cm
Package 1 Length	96 cm

## Offer Sustainability

EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
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**Contractual warranty**

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

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**Recommended replacement(s)**

G55TUPSM120HS is replaced by:

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Galaxy VS UPS 120kW 400V for External Batteries, Start-up 5x8  
GVSUPS120KHS

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