

Product data sheet

Specifications



MGE Galaxy 5500 20kVA 400V Integrated Parallel UPS, Start-up 5x8

G55TUPSM20HINS

- ❗ Discontinued on: 05 July 2021
- ❗ End-of-service on: 18 October 2023

❗ Discontinued

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
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated power in W	18000 W
Rated power in VA	20000 VA
Output connector type	Hard wire 4-wire (3P + N) 1
Battery type	External battery system
Provided equipment	Installation guide Network management card Start-up service 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 power in VAH	0 VAh runtime
Extended runtime	0

General

Bypass voltage tolerance	+/- 10 % settable from +/- 4/6/8 and 10 %
Max bypass input current	29 A
Number of power module free slots	0

Number of power module filled slots	0
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Redundant	No
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Physical

Height	190 cm
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Width	71.2 cm
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Depth	85.5 cm
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Net weight	400 kg
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Mounting preference	No preference
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USB compatible	No
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Input

Network frequency	45...65 Hz
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Input voltage limits	323...437 V 380 V 340...460 V 400 V 353...477 V 415 V
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Maximum input current	42 A
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Switching current capacity	125 A
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Max short time withstand current	20 kA
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Input harmonic distortion	Less than 3 % for full load
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Input protection type	GL fuse
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Load power factor	0.9
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Input Power Factor at Full Load	1
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Output

Maximum configurable power in W	18000 W
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Harmonic distortion	Less than 2 %
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Output frequency	50/60 Hz +/- 3 Hz user adjustable +/- 0.1 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
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Crest factor	3.5 : 1
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Wave type	Sine wave
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Output voltage tolerance	+/- 1% static and +/- 5% at 100% load step
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Output harmonic distortion	< 1% linear load and < 2.5% non-linear load
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Output overload operation	10 minutes at 125% and 60 seconds at 150%
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Required output current protection	29 A
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Neutral output current	43 A
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Bypass type	Built-in maintenance bypass Built-in static bypass Optional external bypass
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Efficiency	91.4 % (full load) 85 % (half load)
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Maximum output current	190 A
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Maximum configurable power in VA	20000 VA
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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...9753.60 m
Acoustic level	55 dBA
Heat dissipation	5493 Btu/h
IP degree of protection	IP20

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

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	420 kg

Offer Sustainability

EU RoHS Directive	Under investigation
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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)

G55TUPSM20HINS is replaced by:

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Galaxy VS UPS 20kW 400V India for External Batteries, Start-up 5x8
GVSUPS20KHINS