Product data sheet

Specifications

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

G55TUPSM20HS

⚠ **Discontinued on:** Jul 5, 2021

⚠ **End-of-service on:** Oct 18, 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 + E) 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
Battery recharge time	10 h
Additional information	Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage
Battery power in VAH	0 VAh runtime
Battery life	8…10 year(s)
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

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Number of power module filled slots	0
Redundant	No

Physical

Height	190 cm
Width	71.2 cm
Depth	85 cm
net weight	400 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	33 A
Switching current capacity	125 A
Max short time withstand current	20 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	18000 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	Up to 5 : 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	29 A
Neutral output current	29 A
Bypass type	Built-in maintenance bypass Built-in static bypass Optional external bypass
Efficiency	91.4 % (full load) 87 % (half load)

Maximum output current	190 A
Maximum configurable power in VA	20000 VA
Runtime at 50W	00:30:00

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	0.0000000000…12192.0000000000 m
Acoustic level	55.5 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

Contractual warranty

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

Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability ⟩

Eu Rohs Directive	Will be compliant – Date to be confirmed

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