

Product data sheet

Specifications



MGE Galaxy 5000 80 kVA

G5TUPS80

- ❗ Discontinued on: 09 February 2024
- ❗ To be end-of-service on: 31 December 2030

❗ Discontinued - Service only

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 480 V 3 phases 600 V 3 phases
Other Input Voltage	380 V 400 V 415 V
Main Output Voltage	400 V 3 phases 480 V 3 phases 600 V 3 phases
Other Output Voltage	208 V 220 V 380 V 415 V
Rated power in W	72000 W
Rated power in VA	80000 VA
Output connector type	Hard wire 4-wire (3P + E) 1 Hard wire 5-wire (3P + N + 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 power in VAh	0 VAh runtime
Extended runtime	0

General

Number of power module free slots	0
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Number of power module filled slots	0
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Redundant	No
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Physical

Colour	Charcoal
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Height	190 cm
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Width	71.2 cm
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Depth	84.8 cm
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Net weight	520 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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Number of input connectors	1 hard wire 4-wire (3P + E)
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Input voltage limits	340...460 V 400 V 408...538 V
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Maximum input current	152 A
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Switching current capacity	250 A
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Max short time withstand current	30 kA
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Input harmonic distortion	Less than 3 % for full load
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Input protection type	3-pole circuit breaker
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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	72000 W
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Harmonic distortion	Less than 2 %
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Output frequency	50 Hz programmable +/- 0.5 / 1 / 2 / 4 / 6 / 8 % sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
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Crest factor	3 : 1
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Wave type	Sine wave
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Output voltage tolerance	+/- 1% static and +/- 2 % 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	115 A
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Bypass type	Internal bypass (automatic and manual) Optional external bypass
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Maximum configurable power in VA	80000 VA
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Conformance

Product certifications	cUL listed CE FCC part 15 class A
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	TÜV UL 1778 VDE
Standards	EN/IEC 62040-1-1 EN/IEC 62040-2 EN/IEC 62040-3 IEC 61000-3-2 IEC 62040-1-2 IEC 62040-2 ISO 9001 ISO 14001

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...3048.00 m
Acoustic level	63 dBA
Heat dissipation	19791 Btu/h

Communications & Management

Free slots	3
Control panel	Multifunction LCD status and control console
Emergency power off	Optional

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	540 kg

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)

G5TUPS80 is replaced by:

1x		Galaxy VS UPS 80kW 400V for External Batteries, Start-up 5x8 GVSUPS80KHS
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