

Product data sheet

Specifications



MGE Galaxy 5000 100 kVA

G5TUPS100

⚠ 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	480 V 3 phases
Main Output Voltage	480 V 3 phases
Rated Power In W	90000 W
Rated Power In Va	100000 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

Efficiency	View Efficiency Graph
Number Of Battery Filled Slots	0
Number Of Battery Free Slots	0
Battery Power In Vah	0 VAh runtime
Extended Runtime	0

General

Max Bypass Input Current	169 A
Number Of Power Module Free Slots	0
Number Of Power Module Filled Slots	0
Redundant	No

Physical

Colour	Charcoal
Height	190 cm
Width	71.2 cm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Depth	84.8 cm
Net Weight	540 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 5-wire (3P + N + E)
Input Voltage Limits	408...552 V 480 V
Maximum Input Current	150 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	3-pole circuit breaker
Load Power Factor	0.9
Input Power Factor At Full Load	0.98

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 60 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Crest Factor	3 : 1
Wave Type	Sine wave
Output Voltage Tolerance	+/- 1% static and +/- 2 % at 100% load step
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
Maximum Configurable Power In Va	100000 VA

Conformance

Product Certifications	cUL listed FCC part 15 class A UL 1778
Standards	EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 ISO 9001

Environmental

Ambient Air Temperature For Operation	0...40 °C
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Relative Humidity	0...95 % non-condensing
Operating Altitude	0...3333 ft
Ambient Air Temperature For Storage	-20...45 °C
Storage Relative Humidity	0...95 % non-condensing
Storage Altitude	0.00...12192.00 m
Acoustic Level	65 dBA
Heat Dissipation	17880 Btu/h
Ip Degree Of Protection	IP20

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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