

Product datasheet

Specifications



Galaxy VM 160 kVA UPS Parallel 400-400 V with Backfeed protection, Start up 5x8

GVMPB160KHS

! Discontinued on: 20 June 2023

! To be end-of-service on: 20 June 2033

! Discontinued - Service only

Overview

Presentation	Highly compact, energy efficient 3-phase UPS for data center, facility and industrial applications. to be used with external battery cabinets. Please click here for additional runtime information.
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	144 kW
Rated power in VA	160 kVA
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	Built-in modbus protocol adapter Dust filter Installation guide Integrated network management Seismic compliance Top and bottom cable entry

Batteries & Runtime

Number of battery filled slots	0
Number of battery free slots	0
Battery voltage	480 V
Discharge battery voltage	384 V
Max current discharge	314 A
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	231 A
Bypass current protection	400 A
Redundant	No

Physical

Colour	White
Height	197 cm
Width	105.2 cm
Depth	85.4 cm
Product weight	699 kg
USB compatible	No

Input

Network frequency	40...70 Hz
Number of input connectors	1 hard wire 3-wire (3P + E)
Input voltage limits	250...600 V adjustable 320...456 V 380 V 320...480 V 400 V 320...498 V 415 V
Maximum input current	262 A
Switching current capacity	400 A
Max short time withstand current	65 kA
Input harmonic distortion	Less than 3 % for full load
Input protection type	GL fuse
Inrush current	200 A peak
Load power factor	0.5 leading to 0.5 lagging
Input Power Factor at Full Load	1

Output

Maximum configurable power in W	144 kW
Harmonic distortion	Less than 2 %
Output frequency	50/60 Hz +/- 1 Hz sync to mains 50/60 Hz +/- 1 Hz unsynchronised
Crest factor	Unlimited
Wave type	Sine wave
Output voltage tolerance	+/- 1% static and +/- 3% at 100% load step
Output harmonic distortion	< 2% linear load and < 3% non-linear load
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Required output current protection	400 A
Neutral output current	231 A
Bypass type	Built-in static bypass

Maximum configurable power in VA	160 kVA
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Conformance

Product certifications	C-Tick CE ETL RCM
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Standards	EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 IBC 2012 and CBC2013 to Sds=2.02g OSHPD UL 1778 VFI-SS-111
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Environmental

Ambient air temperature for operation	0...40 °C
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Relative humidity	0...95 %
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Operating altitude	0...3333 ft
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Ambient air temperature for storage	-25...55 °C
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Storage Relative Humidity	0...95 %
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Storage altitude	0.00...14999.82 m
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Acoustic level	65 dBA
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Heat dissipation	19650 Btu/h
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IP degree of protection	IP20
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Communications & Management

Free slots	2
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Control panel	7" touch screen display
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Emergency power off	Yes
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	215.6 cm
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Package 1 Width	106 cm
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Package 1 Length	149 cm
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Package 1 Weight	744.5 kg
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Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
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Mercury free	Yes
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RoHS exemption information	Yes
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Environmental Disclosure	Product Environmental Profile
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Circularity Profile	End of Life Information
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Optimized Energy Efficiency	Energy efficient product
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Take-back	Take-back program available
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Contractual warranty

Warranty 1 year on-site repair or replace with factory authorized Start-Up

Recommended replacement(s)