

Product data sheet

Specifications



Galaxy VM 160 kVA Additional UPS for 1+1 480-480 V, 65kAIC, Start up 5x8

GVMRB160KG65S

Overview

Presentation Highly compact, energy efficient, redundant 3-phase UPS for data center, facility and industrial applications.

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage 480 V 3 phase

Main Output Voltage 480 V 3 phase

Kw Rating 144 kW

Rated power in VA 160 kVA

Output connector type Hard Wire 4-wire (3PH + G) 1
Hard Wire 5-wire (3PH + N + G) 1

Battery type External battery system

Provided equipment Dust filter
Installation guide
Integrated network management
Seismic compliance
Start-Up Service
Top and bottom cable entry

Batteries & Runtime

Included Battery Modules 0

Battery Slots Empty 0

Battery voltage 480V

End of Discharge Battery Voltage 384 V

Maximum short-circuit current 65 kA

End of Discharge Maximum Battery Current 440 A

Overload Operation 60 seconds @ 125% and 30 seconds @ 150%

Battery design life 5...10 year(s)

Battery power in VAH 0 VAh runtime

Battery Life 7...10 year(s)

Battery graph comments Estimated runtimes based on battery vendor data, at typical environmental conditions, with no electrical input and balanced PF = 0.9 output.

Extendable Run Time 0

General

Bypass Voltage Tolerance	+/-10% settable from +/-4/6/8 and 10%
Max Bypass Input Current	217 A
Bypass Protection Device	400 A
Redundant	No

Physical

Color	White
Height	77.56 in (197 cm)
Width	39.45 in (100.2 cm)
Depth	33.62 in (85.4 cm)
Net Weight	1497.93 lb(US) (679.45 kg)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 3-wire (3PH + G)
Efficiency at full load	360...576 V adjustable 480 V 360...576 V 480 V
Maximum Input Current per Phase	278 A
Switching current capacity	400 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 3% for full load
Input protection type	3-pole breaker
Inrush current	200A peak
Load power factor	0.5 leading to 0.5 lagging
Input Power Factor at Full Load	1

Output

Max Configurable Power (Watts)	144 kW
Harmonic distortion	Less than 2%
Output Frequency (sync to mains)	50/60 Hz +/- 1 Hz sync to mains 50/60 Hz +/- 1 Hz not synced
Crest factor	Unlimited
Waveform Type	Sine wave
Output voltage tolerance	+/- 1% static and +/- 3% at 100% load step
Output Voltage THD	< 2% linear load and < 3% non-linear load 10 minutes @ 125% and 60 seconds @ 150%
Required Output Current Protection	300 A
Neutral Output Current	195 A
Bypass type	Built-in Static Bypass 95.5 % in battery operation)

Maximum configurable power in VA	160 kVA
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Conformance

Product Certifications	cUL Listed ENERGY STAR V2.0 (USA) FCC part 15 class A UL 1778
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Standards	EN/IEC 62040-3 IBC 2012 and CBC2013 to Sds=2.02g OSHDP
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Environmental

Ambient air temperature for operation	32...104 °F (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	5...104 °F (-15...40 °C)
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Storage Relative Humidity	0...95 %
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Storage altitude	0...49212 ft (0.00...14999.82 m)
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Acoustic level	65 dBA
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Heat dissipation	21160 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 (EPO)	Optional
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Ordering and shipping details

GTIN	731304326519
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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	84.88 in (215.6 cm)
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Package 1 Width	41.73 in (106 cm)
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Package 1 Length	58.66 in (149 cm)
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Package 1 Weight	1589.34 lb(US) (720.91 kg)
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Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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ENERGY STAR®	ENERGY STAR UPS V2.0 (USA) 
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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
Circularity Profile	End of Life Information
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Recommended replacement(s)