

Product data sheet

Specifications



Galaxy VM 160 kVA UPS Single 480-480 V, 65kAIC, Start up 5x8

GVMSB160KG65S

Overview

Presentation	A highly compact, energy efficient, 65kAIC rated 3-phase UPS for data centers, 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	1494.80 lb(US) (678.03 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
Standards	EN/IEC 62040-3 IBC 2012 and CBC2013 to Sds=2.02g OSHDP

Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 %
Operating altitude	0...3333 ft
Ambient Air Temperature for Storage	5...104 °F (-15...40 °C)
Storage Relative Humidity	0...95 %
Storage altitude	0...49212 ft (0.00...14999.82 m)
Acoustic level	65 dBA
Heat dissipation	21160 Btu/h
IP degree of protection	IP20


Communications & Management

Free slots	2
Control panel	7" touch screen display
Emergency Power Off (EPO)	Optional

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	84.88 in (215.6 cm)
Package 1 Width	41.73 in (106 cm)
Package 1 Length	58.66 in (149 cm)
Package 1 Weight	1586.01 lb(US) (719.4 kg)

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
ENERGY STAR®	ENERGY STAR UPS V2.0 (USA) 
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
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

Recommended replacement(s)