

# Product data sheet

Specifications



## Galaxy VM 180 kVA UPS Single 480-208 V, 65kAIC, Start up 5x8

GVMS180KGF65S

### Overview

**Presentation** A highly compact, energy efficient 3-phase UPS with an integrated 480-208 volt transformer 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** 208 V 3 phase

**Kw Rating** 162 kW

**Rated power in VA** 180 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** Installation guide  
Start-Up Service

### 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 option** GVMMBTU  
GVMMODBCWS  
GVMMODBCNS

**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

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

## Physical

<b>Color</b>	White
<b>Height</b>	77.56 in (197 cm)
<b>Width</b>	70.94 in (180.2 cm)
<b>Depth</b>	33.62 in (85.4 cm)
<b>Net Weight</b>	4134.99 lb(US) (1875.6 kg)
<b>USB compatible</b>	No

## Input

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

## Output

<b>Max Configurable Power (Watts)</b>	162 kW
<b>Harmonic distortion</b>	Less than 2%
<b>Output Frequency (sync to mains)</b>	50/60 Hz +/- 1 Hz sync to mains 50/60 Hz +/- 1 Hz not synced
<b>Crest factor</b>	Unlimited
<b>Waveform Type</b>	Sine wave
<b>Output voltage tolerance</b>	+/- 1% static and +/- 3% at 100% load step
<b>Output Voltage THD</b>	< 2% linear load and < 3% non-linear load  10 minutes @ 125% and 60 seconds @ 150%
<b>Required Output Current Protection</b>	500 A
<b>Neutral Output Current</b>	195 A
<b>Bypass type</b>	Built-in Static Bypass  95.5 % in battery operation)

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Maximum configurable power in VA	180 kVA
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## Conformance

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Product Certifications	cUL Listed FCC part 15 class A UL 1778
Standards	EN/IEC 62040-3 IBC 2012 and CBC2013 to Sds=2.02g OSHPD

## Environmental

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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	12284 Btu/h
IP degree of protection	IP20

## Communications & Management

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Free slots	2
Control panel	7" touch screen display
Alarm	Audible and visible alarms prioritized by severity
Emergency Power Off (EPO)	Optional

## Ordering and shipping details

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GTIN	731304326557
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## Packing Units

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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	80.00 in (203.2 cm)
Package 1 Weight	4235.00 lb(US) (1920.96 kg)

## Offer Sustainability

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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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

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<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>Optimized Energy Efficiency</b>	Energy efficient product
<b>Take-back</b>	Take-back program available

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## **Contractual warranty**

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<b>Warranty</b>	1 year on-site repair or replace with factory authorized Start-Up
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## **Recommended replacement(s)**