

# Product data sheet

Specifications



## Galaxy VS UPS 80kW 480V with N+1 power module for external batteries, Start-up 5x8

GVSUPS80KRGS

### Overview

<b>Presentation</b>	Highly efficient, easy-to-deploy 80kW, 480V 3-phase UPS that brings best-in-class power protection and low total cost of ownership to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. Includes 5x8 start-up service and one additional power module for N+1 redundancy.
<b>Lead time</b>	Usually Ships within 2 Weeks

### Main

<b>Main Input Voltage</b>	480 V 3 phase
<b>Main Output Voltage</b>	480 V 3 phase
<b>Kw Rating</b>	80 kW
<b>Rated power in VA</b>	80 kVA
<b>Battery type</b>	External battery system Li-Ion (Lithium Ion) VRLA
<b>Provided equipment</b>	Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-Up Service

### Batteries & Runtime

<b>Battery voltage</b>	384-576VDC
<b>End of Discharge Battery Voltage</b>	307 V DC
<b>End of Discharge Maximum Battery Current</b>	216 A

### General

<b>Bypass Voltage Tolerance</b>	+/- 10 %
<b>Redundant</b>	Yes

### Physical

<b>Color</b>	White
<b>Height</b>	58.46 in (148.5 cm)
<b>Width</b>	20.51 in (52.1 cm)
<b>Depth</b>	33.35 in (84.7 cm)

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Net Weight	639.34 lb(US) (290 kg)
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## Input

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Input Frequency	40 - 70 Hz
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	119 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 5% for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating

## Output

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Max Configurable Power (Watts)	80 kW
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 5% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	80 kVA

## Conformance

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Standards	IEC 62040-1-1 IEC 62040-2 UL 1778 5th edition FCC Part 15 class A IEC 60721-4-2 Level 2M2 UL 924 Listed
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## Environmental

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Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3300 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
Acoustic level	64 dBA
Heat dissipation	7449 Btu/h
IP degree of protection	IP21

## Communications & Management

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Control panel	Touch Screen LCD User Interface
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## Ordering and shipping details

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GTIN 731304418528

## Packing Units

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Unit Type of Package 1 PCE

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Number of Units in Package 1 1

## Offer Sustainability

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Sustainable offer status Green Premium product

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REACH Regulation [REACH Declaration](#)

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EU RoHS Directive Compliant  
[EU RoHS Declaration](#)

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Mercury free Yes

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China RoHS Regulation [China RoHS declaration](#)

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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

## Contractual warranty

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

## Recommended replacement(s)