

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 208V with N+1 power module for external batteries, Start-up 5x8

GVSUPS20KRFS

### Overview

<b>Presentation</b>	Highly efficient, easy-to-deploy 20kW, 208V 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>	208 V 3 phase
<b>Other Input Voltage</b>	200 V 220 V
<b>Main Output Voltage</b>	208 V 3 phase
<b>Kw Rating</b>	20 kW
<b>Rated power in VA</b>	20 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>	384-480VDC
<b>End of Discharge Battery Voltage</b>	307 V DC
<b>End of Discharge Maximum Battery Current</b>	68 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)
<b>Net Weight</b>	551.16 lb(US) (250 kg)

## Input

<b>Input Frequency</b>	40 - 70 Hz
<b>Efficiency at full load</b>	177...239 V 208 V
<b>Maximum Input Current per Phase</b>	72 A
<b>Maximum Short Circuit Withstand (Icw)</b>	65 kA
<b>Input Total Harmonic Distortion</b>	Less than 3% for full load
<b>Load power factor</b>	From 0.7 leading to 0.7 lagging without any derating

## Output

<b>Max Configurable Power (Watts)</b>	20 kW
<b>Output Frequency (sync to mains)</b>	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
<b>Crest factor</b>	2.5
<b>Waveform Type</b>	Sine wave
<b>Output voltage tolerance</b>	+/-1% after 50ms
<b>Overload Operation</b>	10 minutes @ 125% and 60 seconds @ 150%
<b>Bypass type</b>	Built-in Static Bypass
<b>Maximum configurable power in VA</b>	20 kVA

## Conformance

<b>Standards</b>	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

<b>Ambient air temperature for operation</b>	32...104 °F (0...40 °C)
<b>Relative Humidity</b>	0...95 % non-condensing
<b>Operating altitude</b>	0...3300 ft
<b>Ambient Air Temperature for Storage</b>	-13...131 °F (-25...55 °C)
<b>Storage Relative Humidity</b>	10...80 % non-condensing
<b>Acoustic level</b>	68 dBA
<b>Heat dissipation</b>	4019 Btu/h
<b>IP degree of protection</b>	IP21

## Communications & Management

<b>Control panel</b>	Touch Screen LCD User Interface
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## Ordering and shipping details

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GTIN 731304418566

## 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)