

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 480V with N+1 power module for external batteries, Start-up 5x8

GVSUPS20KRG5

### Overview

**Presentation** Highly efficient, easy-to-deploy 20kW, 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.

**Lead time** Usually Ships within 2 Weeks

### Main

**Main Input Voltage** 480 V 3 phase

**Main Output Voltage** 480 V 3 phase

**Kw Rating** 20 kW

**Rated power in VA** 20 kVA

**Battery type** External battery system  
Li-Ion (Lithium Ion)  
VRLA

**Provided equipment** Dust filter  
EcoStruxure IT ready (UPS)  
Installation guide  
Integrated network management  
Power modules ship installed  
Start-Up Service

### Batteries & Runtime

**Battery voltage** 384-576VDC

**End of Discharge Battery Voltage** 307 V DC

**End of Discharge Maximum Battery Current** 68 A

### General

**Bypass Voltage Tolerance** +/- 10 %

**Redundant** Yes

### Physical

**Color** White

**Height** 58.46 in (148.5 cm)

**Width** 20.51 in (52.1 cm)

**Depth** 33.35 in (84.7 cm)

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|            |                        |
|------------|------------------------|
| Net Weight | 551.16 lb(US) (250 kg) |
|------------|------------------------|

## Input

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|                                       |  |
|---------------------------------------|--|
| Input Frequency                       | 40 - 70 Hz   |
| Efficiency at full load               | 408...552 V 480 V                                    |
| Maximum Input Current per Phase       | 30 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)   | 20 kW  |
| Output Frequency (sync to mains) | 50 Hz sync to mains<br>60 Hz sync to mains<br>50 Hz +/- 0.1 % for 50 Hz nominal not synced<br>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 | 20 kVA   |

## Conformance

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|           |  |
|-----------|--|
| Standards | IEC 62040-1-1<br>IEC 62040-2<br>UL 1778 5th edition<br>FCC Part 15 class A<br>IEC 60721-4-2 Level 2M2<br>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                      | 2188 Btu/h                 |
| IP degree of protection               | IP21                       |

## Communications & Management

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|               |                                 |
|---------------|---------------------------------|
| Control panel | Touch Screen LCD User Interface |
|---------------|---------------------------------|

## Ordering and shipping details

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GTIN 731304418474

## 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)