

# Product data sheet

Specifications



## Galaxy VS UPS 20kW 400V with N+1 power module for external batteries, Start-up 5x8

GVSUPS20KRHS

### Overview

|                     |   |
|---------------------|---|
| <b>Presentation</b> | Highly efficient, easy-to-deploy 20kW, 400V 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>   | 400 V 3 phase  |
| <b>Other Input Voltage</b>  | 380 V<br>415 V   |
| <b>Main Output Voltage</b>  | 400 V 3 phase  |
| <b>Other Output Voltage</b> | 380 V<br>415 V   |
| <b>Kw Rating</b>            | 20 kW  |
| <b>Rated power in VA</b>    | 20 kVA   |
| <b>Battery Type</b>         | External battery system<br>Li-Ion (Lithium Ion)<br>VRLA  |
| <b>Provided equipment</b>   | Dust filter<br>EcoStruxure IT ready (UPS)<br>Installation guide<br>Integrated network management<br>Power modules ship installed<br>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> | 68 A       |

### General

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

### Physical

|              |       |
|--------------|-------|
| <b>Color</b> | White |
|--------------|-------|

|            |                        |
|------------|------------------------|
| Height     | 58.46 in (148.5 cm)    |
| Width      | 20.51 in (52.1 cm)     |
| Depth      | 33.35 in (84.7 cm)     |
| Net Weight | 551.16 lb(US) (250 kg) |

## Input

|  |  |
|--|--|
| Input Frequency                                    | 40 - 70 Hz   |
| Efficiency at full load                            | 340...460 V 400 V                                    |
| Maximum Input Current per Phase                    | 30 A   |
| Maximum Short Circuit Withstand (I <sub>cw</sub> ) | 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

|                                  |  |
|----------------------------------|--|
| 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

|           |   |
|-----------|---|
| Standards | EN/IEC 62040-1<br>EN/IEC 62040-2<br>FCC Part 15 class A<br>IEC 60721-4-2 Level 2M2<br>UL 1778 5th edition |
|-----------|---|

## Environmental

|                                       |                            |
|---------------------------------------|----------------------------|
| 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                        | 68 dBA                     |
| Heat dissipation                      | 2170 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 731304418269

## Packing Units

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|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 66.14 in (168 cm)      |
| Package 1 Width              | 38.98 in (99 cm)       |
| Package 1 Length             | 25.20 in (64 cm)       |
| Package 1 Weight             | 551.16 lb(US) (250 kg) |

## Offer Sustainability

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|                             |  |
|-----------------------------|--|
| Sustainable offer status    | Green Premium product                            |
| REACH Regulation            | <a href="#">REACH Declaration</a>                |
| EU RoHS Directive           | Compliant<br><a href="#">EU RoHS Declaration</a> |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a>           |
| RoHS exemption information  | Yes  |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>    |
| Circularity Profile         | <a href="#">End of Life Information</a>          |
| Optimized Energy Efficiency | Energy efficient product                         |
| 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)