

# Product data sheet

Specifications



## Galaxy VS UPS 50kW 480V, 2 internal 9Ah smart modular battery strings, expandable to 4, Start-up 5x8

GVSUPS50KB4GS

### Overview

**Presentation** Highly efficient, easy-to-deploy 50kW, 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 2 smart high-capacity modular battery strings, expandable to 4 strings for extended runtime. Runtime charts available in the Documents tab. (600V options available for Canada / Options disponibles pour le Canada)

**Lead time** Usually Ships within 2 Weeks

### Main

**Main Input Voltage** 480 V 3 phase

**Main Output Voltage** 480 V 3 phase

**Kw Rating** 50 kW

**Rated power in VA** 50 kVA

**Battery type** Internal modular battery  
VRLA

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

### Batteries & Runtime

**Battery voltage** 480V

**End of Discharge Battery Voltage** 384 V DC

**End of Discharge Maximum Battery Current** 135 A

**Battery power in VAh** 0 VAh runtime

**Extendable Run Time** 0

### General

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

**Redundant** No

### Physical

**Color** 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>     | 1014.13 lb(US) (460 kg) |
| <b>USB compatible</b> | No                      |

## Input

|  |  |
|--|--|
| <b>Input Frequency</b>                       | 40 - 70 Hz   |
| <b>Efficiency at full load</b>               | 408...552 V 480 V                                    |
| <b>Maximum Input Current per Phase</b>       | 74 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 |
| <b>Input Power Factor at Full Load</b>       | 0.99   |

## Output

|   |  |
|---|--|
| <b>Max Configurable Power (Watts)</b>   | 50 kW  |
| <b>Output Frequency (sync to mains)</b> | 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 |
| <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> | 50 kVA   |

## Conformance

|                               |  |
|-------------------------------|--|
| <b>Product Certifications</b> | ENERGY STAR V2.0 (USA)   |
| <b>Standards</b>              | CSA C22.2 No 107.3<br>FCC Part 15 class A<br>IEC 62040-3<br>IEC 60721-4-2 Level 2M2<br>UL 1778 5th edition |

## 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...3281 ft                     |
| <b>Ambient Air Temperature for Storage</b>   | 5...104 °F (-15...40 °C)        |
| <b>Storage Relative Humidity</b>             | 10...80 % non-condensing        |
| <b>Storage altitude</b>                      | 0...10000 ft (0.00...3048.00 m) |
| <b>Acoustic level</b>                        | 61 dBA                          |
| <b>Heat dissipation</b>                      | 5210 Btu/h                      |

|                         |      |
|-------------------------|------|
| IP degree of protection | IP20 |
|-------------------------|------|

## Communications & Management

|               |                                 |
|---------------|---------------------------------|
| Free slots    | 1                               |
| Control panel | Touch Screen LCD User Interface |


## Ordering and shipping details

|      |              |
|------|--------------|
| GTIN | 731304641841 |
|------|--------------|

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| 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             | 1080.27 lb(US) (490 kg) |

## Offer Sustainability

|                             |  |
|-----------------------------|--|
| Sustainable offer status    | Green Premium product  |
| ENERGY STAR®                | <a href="#">ENERGY STAR UPS V2.0 (USA)</a>  |
| REACH Regulation            | <a href="#">REACH Declaration</a>  |
| EU RoHS Directive           | Compliant<br><a href="#">EU RoHS Declaration</a>   |
| Mercury free                | Yes  |
| 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

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

## Recommended replacement(s)