

# Product data sheet

Specifications



## Galaxy VS UPS 40kW 480V for up to 4 internal 9Ah smart modular battery strings, Start-up 5x8

GVSUPS40K0B4GS

### Overview

**Presentation** Highly efficient, easy-to-deploy 40kW, 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. This UPS is for up to 4 smart modular high capacity battery strings, but is supplied without batteries, so you can easily customize the battery runtime. Includes 5x8 start-up service.

**Lead time** Usually Ships within 2 Weeks

### Main

**Main Input Voltage** 480 V 3 phase

**Main Output Voltage** 480 V 3 phase

**Kw Rating** 40 kW

**Rated power in VA** 40 kVA

**Battery type** Internal modular battery  
VRLA

**Provided equipment** Dust filter  
Installation manual  
Integrated network management  
Start-Up Service  
EcoStruxure Ready

### Batteries & Runtime

**Battery voltage** 480V

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

**End of Discharge Maximum Battery Current** 108 A

**Battery power in VAH** 0 VAh runtime

**Extendable Run Time** 0

### General

**Redundant** No

### Physical

**Color** White

**Height** 58.46 in (148.5 cm)

**Width** 20.51 in (52.1 cm)

|                |                        |
|----------------|------------------------|
| Depth          | 33.35 in (84.7 cm)     |
| Net Weight     | 440.92 lb(US) (200 kg) |
| USB compatible | No                     |

## Input

|                                       |  |
|---------------------------------------|--|
| Input Frequency                       | 40 - 70 Hz   |
| Efficiency at full load               | 408...552 V 480 V                                    |
| Maximum Input Current per Phase       | 60 A   |
| Maximum Short Circuit Withstand (Icw) | 65 kA  |
| Input Total Harmonic Distortion       | Less than 3% for full load                           |
| Load power factor                     | From 0.7 leading to 0.7 lagging without any derating |
| Input Power Factor at Full Load       | 0.99   |

## Output

|                                  |  |
|----------------------------------|--|
| Max Configurable Power (Watts)   | 40 kW                                      |
| Harmonic distortion              | Less than 5%                               |
| Output Frequency (sync to mains) | 50 Hz sync to mains<br>60 Hz sync to mains |
| 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 | 40 kVA                                     |

## Conformance

|                        |  |
|------------------------|--|
| Product Certifications | ENERGY STAR V2.0 (USA)   |
| Standards              | CSA C22.2 No 107.3<br>FCC Part 15 class A<br>IEC 62040-1-1<br>IEC 62040-2<br>IEC 62040-3<br>UL 1778 5th edition<br>OSHDP |

## 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   | 5...104 °F (-15...40 °C)        |
| Storage Relative Humidity             | 10...80 % non-condensing        |
| Storage altitude                      | 0...10000 ft (0.00...3048.00 m) |
| Acoustic level                        | 61 dBA                          |
| Heat dissipation                      | 4086 Btu/h                      |

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

## Communications & Management

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

## Ordering and shipping details

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|      |              |
|------|--------------|
| GTIN | 731304409922 |
|------|--------------|


## 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             | 440.92 lb(US) (200 kg) |

## Offer Sustainability

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|                             |  |
|-----------------------------|--|
| 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  | <a href="#">Yes</a>  |
| 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 |
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## Recommended replacement(s)