

# Product datasheet

Specifications



## Galaxy VL UPS 400 scalable to 500 kW, 400/480V, Start-up 5x8

GVL400K500DS

### Overview

**Presentation** Highly efficient, modular, high-density 400kW (400/480V) 3-phase UPS that is scalable up to 500kW. It delivers top performance for medium, large, and edge data centers, as well as critical infrastructure in commercial and industrial applications. Includes 5x8 start-up service.

### Main

|   |   |
|---|---|
| <b>Main input voltage</b>               | 380 V AC 3 phases<br>415 V AC 3 phases<br>400 V AC 3 phases<br>440 V AC 3 phases<br>480 V AC 3 phases |
| <b>Max short time withstand current</b> | 65 kA   |
| <b>Input harmonic distortion</b>        | Less than 5 % for full load   |
| <b>Load power factor</b>                | 0.5 leading to 0.5 lagging without derating   |
| <b>Input frequency</b>                  | 40...70 Hz  |
| <b>Output voltage</b>                   | 380 V AC 3 phases<br>415 V AC 3 phases<br>400 V AC 3 phases<br>440 V AC 3 phases<br>480 V AC 3 phases |
| <b>Other output voltage</b>             | 400 V<br>480 V  |
| <b>Rated power in W</b>                 | 400 kW  |
| <b>Rated power in VA</b>                | 400 kVA   |
| <b>Crest factor</b>                     | 3   |
| <b>Maximum configurable power in VA</b> | 400 kVA   |
| <b>Maximum configurable power in W</b>  | 400 kW  |
| <b>Output overload operation</b>        | 10 minutes at 125% and 60 seconds at 150%   |

### Graphs

**Efficiency** [View Efficiency Graph](#)

### Complementary

|                         |  |
|-------------------------|--|
| <b>Battery type</b>     | Li-Ion (Lithium-Ion) external sold separately<br>Ni-Cd (Nickel-Cadmium) external sold separately<br>Lead-acid external sold separately |
| <b>Control panel</b>    | Touch screen LCD user interface  |
| <b>UPS connectivity</b> | Embedded network management card 4   |
| <b>Color</b>            | White  |

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Height                            | 197 cm                             |
| Width                             | 85 cm                              |
| Depth                             | 92.5 cm                            |
| Product weight                    | 702 kg                             |
| Number of power modules           | 8                                  |
| Number of power module free slots | 2                                  |
| Redundant                         | Yes                                |
| Range of product                  | Galaxy VL                          |
| Product or component type         | Uninterruptible power supply (UPS) |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certification                 | IEC 62040-1-1<br>UL 1778 5th edition<br>IEC 62040-2<br>IEC 62040-3<br>VFI-SS-111<br>FCC Class A<br>ENERGY STAR V2.0 (USA) |
| Standard                              | IEC 60721-4-2 level 2M2   |
| Ambient air temperature for operation | 0...40 °C   |
| Ambient air temperature for storage   | -25...55 °C   |
| IP protection                         | IP20  |
| Relative humidity                     | 10...95 % non-condensing  |
| Storage relative humidity             | 10...80 % non-condensing  |
| Operating altitude                    | 0...3000 m  |

## Batteries & Runtime

|                           |  |
|---------------------------|--|
| Battery type              | Li-Ion (Lithium-Ion)<br>VRLA<br>Ni-Cd (Nickel-Cadmium) |
| Discharge battery voltage | 384 V  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 2145 mm |
| Package 1 Width              | 1100 mm |
| Package 1 Length             | 950 mm  |
| Package 1 Weight             | 868 kg  |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 12 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|  |   |
|--|---|
| Total lifecycle Carbon footprint                       | 386 ton CO2 eq.                               |
| Carbon footprint of the manufacturing phase [A1 to A3] | 65 407 kg CO2 eq.                             |
| Carbon footprint of the distribution phase [A4]        | 313 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 227 kg CO2 eq.                                |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 318 ton CO2 eq.                               |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 1 880 kg CO2 eq.                              |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|  |  |
|--|--|
| Packaging made with recycled cardboard | Yes  |
| Packaging without single use plastic   | No   |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>   |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |



### Energy efficiency



ENERGY STAR®

ENERGY STAR UPS V2.0 (USA)

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                                 |   |
|---------------------------------|---|
| Recyclability potential, in %   | 67  |
| End of life manual availability | <a href="#">End of Life Information</a>   |
| Take-back                       | No  |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Image of product / Alternate images

**Alternative**

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