# Product datasheet

Specifications



## Galaxy VS UPS 50kW 400V with N+1 power module, for 5 smart modular 9Ah battery strings, Start-up 5x8

GVSUPS50KR0B5HS

## Overview

| | |
|---|---|
| **Presentation** | Highly efficient, easy-to-deploy 50kW, 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. This UPS is for up to 5 smart modular high capacity battery strings, but is supplied without batteries, so you can easily customize the battery runtime. Includes 5x8 start-up service and one additional power module for N+1 redundancy. |

## Main

| | |
|---|---|
| **Main input voltage** | 400 V AC 3 phases<br>380 V AC 3 phases<br>415 V AC 3 phases |
| **Other input voltage** | 380 V<br>415 V |
| **Maximum input current** | 90 A |
| **Max short time withstand current** | 65 kA |
| **Input harmonic distortion** | Less than 6 % for full load |
| **Load power factor** | From 0.7 leading to 0.7 lagging without any derating |
| **Cos phi** | 0.99 |
| **Efficiency at full load** | 340...460 V 400 V |
| **Input frequency** | 40...70 Hz |
| **Output voltage** | 400 V AC 3 phases<br>380 V AC 3 phases<br>415 V AC 3 phases |
| **Other output voltage** | 380 V<br>415 V |
| **Rated power in W** | 50 kW |
| **Rated power in VA** | 50 kVA |
| **Bypass type** | Built-in static bypass |
| **Crest factor** | 2.5 |
| **Harmonic distortion** | Less than 3 % |
| **Maximum configurable power in VA** | 50 kVA |
| **Maximum configurable power in W** | 50 kW |
| **Output harmonic distortion** | < 1% linear load and < 3% non-linear load |
| **Output overload operation** | 10 minutes at 125% and 60 seconds at 150% |
| **Output voltage tolerance** | +/- 5% after 2ms<br>+/-1% after 50ms |
| **Waveform type** | Sine wave |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Output frequency** | 50 Hz sync to mains<br>60 Hz sync to mains |

## Complementary

| | |
|---|---|
| **Max current discharge** | 136 A |
| **Battery type** | Lead-acid internal sold separately |
| **Control panel** | Touch screen LCD user interface |
| **UPS connectivity** | Embedded network management card 4 |
| **Color** | White |
| **Height** | 197 cm |
| **Width** | 55 cm |
| **Depth** | 84.7 cm |
| **Product weight** | 296 kg |
| **USB compatible** | No |
| **Provided equipment** | Dust filter<br>Installation manual<br>Integrated network management<br>Start-up service<br>EcoStruxure Ready |
| **Redundant** | No |
| **Range of product** | Galaxy VS |
| **Product or component type** | Uninterruptible power supply (UPS) |

## Environment

| | |
|---|---|
| **Standard** | IEC 62040-1-1<br>IEC 62040-2<br>OSHPD |
| **Ambient air temperature for operation** | 0…40 °C |
| **Ambient air temperature for storage** | -15…40 °C |
| **Storage altitude** | 0…3048 m |
| **IP protection** | IP20 |
| **Relative humidity** | 0…95 % non-condensing |
| **Storage relative humidity** | 10…80 % non-condensing |
| **Acoustic level** | 54 dBA |
| **Heat dissipation** | 5375 Btu/h |
| **Operating altitude** | 0...3300 ft |

## Batteries & Runtime

| | |
|---|---|
| **Battery type** | Internal modular battery<br>VRLA |
| **Battery voltage** | 480 V |
| **Extendable runtime** | 0 |
| **Discharge battery voltage** | 384 V |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 208.2 cm |
| **Package 1 Width** | 101 cm |
| **Package 1 Length** | 75.5 cm |
| **Package 1 Weight** | 250 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 | **63 330 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **7 743 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **327 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **76 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **53 535 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **1 649 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| EU RoHS Directive | Compliant By Exemption |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |

### Energy efficiency

| | |
|---|---|
| Energy Efficiency Optimized | **Energy efficient product** |

## Use Longer

### Lifetime extension

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

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **42** |
| End of life manual availability | End of Life Information |
| Removable battery | **Yes** |
| 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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