# Product datasheet

Specifications

Green Premium™

## Galaxy VS UPS 20kW 400V, 1 internal 7Ah smart modular battery string, expandable to 2, Start-up 5x8

GVSUPS20KB2HS

## Overview

| | |
|---|---|
| **Presentation** | 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 1 smart modular battery string, expandable to 2 strings for extended runtime. |
| **Lead Time** | Usually Ships within 2 Weeks |

## Main

| | |
|---|---|
| **Main Input Voltage** | 400 V 3 phases |
| **Other Input Voltage** | 380 V<br>415 V |
| **Main Output Voltage** | 400 V 3 phases |
| **Other Output Voltage** | 380 V<br>415 V |
| **Rated Power In W** | 20 kW |
| **Rated Power In Va** | 20 kVA |
| **Battery Type** | Internal modular battery<br>VRLA |
| **Provided Equipment** | Battery modules ship installed<br>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

| | |
|---|---|
| **Efficiency** | View Efficiency Graph |
| **Battery Voltage** | 480 V |
| **Discharge Battery Voltage** | 384 V DC |
| **Max Current Discharge** | 54 A |
| **Battery Power In Vah** | 0 VAh runtime |
| **Extended Runtime** | 0 |

## General

| | |
|---|---|
| **Bypass Voltage Tolerance** | +/- 10 % |
| **Redundant** | No |
| **Product Or Component Type** | Uninterruptible power supply (UPS) |

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

## Physical

| | |
|---|---|
| **Colour** | White |
| **Height** | 148.5 cm |
| **Width** | 33.3 cm |
| **Depth** | 84.7 cm |
| **Net Weight** | 245 kg |
| **Usb Compatible** | No |

## Input

| | |
|---|---|
| **Network Frequency** | 40...70 Hz |
| **Number Of Input Connectors** | 1 hard wire 5-wire (3P + N + E) |
| **Input Voltage Limits** | 340...460 V 400 V |
| **Maximum Input Current** | 36 A |
| **Max Short Time Withstand Current** | 65 kA |
| **Input 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

| | |
|---|---|
| **Maximum Configurable Power In W** | 20 kW |
| **Harmonic Distortion** | Less than 3 % |
| **Output Frequency** | 50 Hz sync to mains<br>60 Hz sync to mains<br>50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised<br>60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised |
| **Crest Factor** | 2.5 |
| **Wave Type** | Sine wave |
| **Output Voltage Tolerance** | +/-1% after 50ms |
| **Output Harmonic Distortion** | < 1% linear load and < 3% non-linear load |
| **Output Overload Operation** | 10 minutes at 125% and 60 seconds at 150% |
| **Bypass Type** | Built-in static bypass |
| **Maximum Configurable Power In Va** | 20 kVA |

## Conformance

| | |
|---|---|
| **Product Certifications** | UL 1778 5th edition |
| **Standards** | CSA C22.2 No 107.3<br>EN/IEC 62040-1<br>EN/IEC 62040-2<br>EN/IEC 62040-3<br>IEC 60721-4-2 level 2M2 |

## Environmental

| | |
|---|---|
| **Ambient Air Temperature For Operation** | 0…40 °C |
| **Relative Humidity** | 0…95 % non-condensing |
| **Operating Altitude** | 0...3281 ft |

| | |
|---|---|
| **Ambient Air Temperature For Storage** | -15…40 °C |
| **Storage Relative Humidity** | 0…95 % non-condensing |
| **Storage Altitude** | 0.00…3048.00 m |
| **Acoustic Level** | 65 dBA |
| **Heat Dissipation** | 2454 Btu/h |
| **Ip Degree Of Protection** | IP20 |

## Communications & Management

| | |
|---|---|
| **Free Slots** | 1 |
| **Control Panel** | Touch screen LCD user interface |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 169 cm |
| **Package 1 Width** | 99 cm |
| **Package 1 Length** | 64 cm |
| **Package 1 Weight** | 270 kg |

## Contractual warranty

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

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Energy Efficient | Take-back | Transparency | RoHS/REACh

## Resource performance

- Energy Efficient Product
- Take-Back Program Available

## Well-being performance

- Mercury Free
- Rohs Exemption Information — Yes

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Circularity Profile** | End of Life Information |