

# Product data sheet

## Specifications



### Galaxy VS UPS 100kW 400V for up to 5 internal 9Ah smart modular battery strings, Start-up 5x8

GVSUPS100K0B5HS

## Overview

### Presentation

Highly efficient, easy-to-deploy 100kW, 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.

### Lead time

Usually Ships within 2 Weeks

## Main

### Main Input Voltage

400 V 3 phases

### Other Input Voltage

380 V  
415 V

### Main Output Voltage

400 V 3 phases

### Other Output Voltage

380 V  
415 V

### Rated power in W

100 kW

### Rated power in VA

100 kVA

### Battery type

Internal modular battery  
VRLA

### Provided equipment

Dust filter  
Installation manual  
Integrated network management  
Start-up service  
EcoStruxure Ready

## General

### Redundant

No

## Physical

### Colour

White

### Height

197 cm

### Width

55 cm

### Depth

84.7 cm

### Net weight

250 kg

### USB compatible

No

## Input

Network frequency	40...70 Hz
Input voltage limits	340...460 V 400 V
Maximum input current	180 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	100 kW
Harmonic distortion	Less than 3 %
Output frequency	50 Hz sync to mains 60 Hz sync to mains
Crest factor	2.5
Wave type	Sine wave
Output voltage tolerance	+/- 5% after 2ms +/-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	100 kVA

## Conformance

Standards	IEC 62040-1-1 IEC 62040-2 OSHPD
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## Environmental

Ambient air temperature for operation	0...40 °C
Relative humidity	0...95 % non-condensing
Operating altitude	0...3300 ft
Ambient air temperature for storage	-15...40 °C
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0.00...3048.00 m
Acoustic level	65 dBA
Heat dissipation	12377 Btu/h
IP degree of protection	IP20

## Batteries & Runtime

Battery voltage	480 V
Discharge battery voltage	384 V
Max current discharge	271 A

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**Battery power in VAH** 0 VAh runtime

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**Extended runtime** 0

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## Communications & Management

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**Control panel** Touch screen LCD user interface

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**Alarm** Audible and visible alarms prioritized by severity

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## Packing Units

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**Unit Type of Package 1** PCE

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**Number of Units in Package 1** 1

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**Package 1 Height** 208.2 cm

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**Package 1 Width** 101 cm

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**Package 1 Length** 75.5 cm

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**Package 1 Weight** 250 kg

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## Offer Sustainability

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**Sustainable offer status** Green Premium product

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**REACh Regulation** REACh Declaration

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**EU RoHS Directive** Compliant  
EU RoHS Declaration

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**Mercury free** Yes

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**RoHS exemption information** Yes

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**China RoHS Regulation** China RoHS declaration

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**Environmental Disclosure** Product Environmental Profile

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**Circularity Profile** End of Life Information

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**Optimized Energy Efficiency** Energy efficient product

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**Take-back** Take-back program available

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## 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)