

# Product data sheet

Specifications



## Galaxy VS UPS 100kW 400V for External Batteries, Start-up 5x8

GVSUPS100KHS

### Overview

**Presentation** Highly efficient, easy-to-deploy 100kW, 400V 3-phase uninterruptible power supply (UPS) that brings best-in-class power protection to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. Compact design, high-density technology and modular architecture keep total cost of ownership low and operational efficiency at the highest levels. Galaxy VS reduces your energy losses by up to 66% with eConversion mode – reaching up to 99% efficiency levels and delivering more energy savings than even our industry-leading 97% efficiency in double conversion mode. The UPS is EcoStruxure connected to give you peace of mind with cloud-based remote monitoring and management via your smartphone. Includes 5x8 start-up service.

**Lead time** Usually Ships within 2 Weeks

### Main

<b>Main Input Voltage</b>	400 V 3 phase
<b>Other Input Voltage</b>	380 V 415 V
<b>Main Output Voltage</b>	400 V 3 phase
<b>Other Output Voltage</b>	380 V 415 V
<b>Kw Rating</b>	100 kW
<b>Rated power in VA</b>	100 kVA
<b>Output connector type</b>	Hard Wire 5-wire (3PH + N + G) 1
<b>Battery Type</b>	External battery system Li-Ion (Lithium Ion) VRLA
<b>Provided equipment</b>	Dust filter Installation guide Integrated network management Power modules ship installed Start-Up Service Top and bottom cable entry
<b>Range of Product</b>	Galaxy VS
<b>Range Compatibility</b>	Galaxy VS

### Batteries & Runtime

<b>Efficiency</b>	<a href="#">View Efficiency Graph</a>
<b>Included Battery Modules</b>	0
<b>Battery Slots Empty</b>	0
<b>Battery Voltage</b>	480-576VDC
<b>End of Discharge Battery Voltage</b>	384 V DC

End of Discharge Maximum Battery Current	271 A
Battery power in VAH	0 VAh runtime
Extendable Run Time	0

## General

Bypass Voltage Tolerance	+/- 10 %
Max Bypass Input Current	161 A
Redundant	No
Product or Component Type	Uninterruptible power supply (UPS)

## Physical

color	White
Height	58.5 in (148.5 cm)
Width	20.5 in (52.1 cm)
Depth	33.3 in (84.7 cm)
Net Weight	551.2 lb(US) (250 kg)
USB compatible	No

## Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 4-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G)
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	182 A
Maximum Short Circuit Withstand (I <sub>cw</sub> )	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)	100 kW
Harmonic distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal not synced 50 Hz +/- 0.1 % for 50 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	100 kVA

## Conformance

Standards	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 FCC Part 15 class A IEC 60721-4-2 Level 2M2 UL 1778 5th edition
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## Environmental

Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0...50000 ft (0.0000000000...15240.0000000000 m)
acoustic level	65 dBA
Online Thermal Dissipation	9499.4 Btu/h
IP degree of protection	IP21

## Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface

## Ordering and shipping details

GTIN	731304342625
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## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.1 in (168 cm)
Package 1 Width	39.0 in (99 cm)
Package 1 Length	25.2 in (64 cm)
Package 1 Weight	606.3 lb(US) (275 kg)

## Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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## 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<sub>2</sub> products.

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Energy Efficient Take-back Transparency RoHS/REACH

## Resource performance

Energy Efficient Product

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Take-Back Program Available

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## Well-being performance

Mercury Free

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Rohs Exemption Information Yes

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## Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

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**Eu Rohs Directive** Compliant with Exemptions

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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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