

# Product data sheet

Specifications



## Galaxy VS UPS 80kW 400V for External Batteries, Start-up 5x8

GVSUPS80KHS

### Overview

Presentation	Highly efficient, easy-to-deploy 80kW, 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

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	80 kW
Rated power in VA	80 kVA
Output connector type	Hard wire 5-wire (3P + N + E) 1
Battery type	External battery system Li-Ion (Lithium-Ion) VRLA
Provided equipment	Dust filter Installation guide Integrated network management Power modules ship installed Start-up service Top and bottom cable entry

### Batteries & Runtime

Efficiency	<a href="#">View Efficiency Graph</a>
Battery voltage	384...576 V DC
Discharge battery voltage	307 V DC
Max current discharge	217 A
Battery power in VAH	0 VAh runtime
Extended runtime	0

### General

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

Bypass voltage tolerance	+/- 10 %
Max bypass input current	129 A
Redundant	No
product or component type	Uninterruptible power supply (UPS)

## Physical

Colour	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
net weight	250 kg
USB compatible	No

## Input

Network frequency	40...70 Hz
Number of input connectors	1 hard wire 3-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
Input voltage limits	340...460 V 400 V
Maximum input current	148 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	80 kW
Harmonic distortion	Less than 3 %
Output frequency	50 Hz sync to mains 60 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 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	80 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	0...40 °C
Relative humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient air temperature for storage	-25...55 °C
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0.0000000000...15240.0000000000 m
Acoustic level	65 dBA
heat dissipation	7449 Btu/h
IP degree of protection	IP21

## 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	168 cm
Package 1 Width	99 cm
Package 1 Length	64 cm
Package 1 Weight	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.

**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](#)