Product data sheet

Specifications

Galaxy VS UPS 100kW 480V for External Batteries, Start-up 5x8

GVSUPS100KGS

Overview

Presentation	Highly efficient, easy-to-deploy 100kW, 480V 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 the patented ECOnversion mode – reaching up to 99% efficiency levels and delivering more energy savings than even our industry-leading 97% efficiency in normal operating mode. The UPS is EcoStruxure-ready to give you peace of mind with cloud-based remote monitoring and management via your smartphone. Includes 5x8 start-up service. For battery runtime details, see the runtime charts published under the Documents tab.
Lead time	Usually Ships within 2 Weeks

Main

Main Input Voltage	480 V 3 phases
Main Output Voltage	480 V 3 phases
Rated power in W	100 kW
Rated power in VA	100 kVA
Output connector type	Hard wire 4-wire (3P + E) 1 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	View Efficiency Graph
Number of battery filled slots	0
Number of battery free slots	0
Battery voltage	480...576 V DC
Discharge battery voltage	384 V DC
Max current discharge	270 A
Battery power in VAH	0 VAh runtime
Extended runtime	0

General

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Bypass voltage tolerance	+/- 10 %
Max bypass input current	151 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 4-wire (3P + E)
Input voltage limits	408...552 V 480 V
Maximum input current	154 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 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	100 kVA

Conformance

Product certifications	ENERGY STAR V2.0 (USA)
Standards	CSA C22.2 No 107.3 FCC part 15 class A IEC 62040-3 IEC 60721-4-2 level 2M2 UL 1778 5th edition

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	61 dBA
heat dissipation	9499.4 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

Sustainability

Green Premium^{TM} 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

Environmental Certifications

✓ Energy Star®   ENERGY STAR UPS V2.0 (USA)

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