Product data sheet

Specifications

Green Premium™

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 phase
Main Output Voltage	480 V 3 phase
Kw Rating	100 kW
Rated Power In Va	100 kVA
Output Connector Type	Hard Wire 4-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G) 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
Included Battery Modules	0
Battery Slots Empty	0
Battery Voltage	480-576VDC
End Of Discharge Battery Voltage	384 V DC
End Of Discharge Maximum Battery Current	270 A
Battery Power In Vah	0 VAh runtime
Extendable Run Time	0

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

General

Bypass Voltage Tolerance	+/- 10 %
Max Bypass Input Current	151 A
Redundant	No

Physical

Color	White
Height	58.46 in (148.5 cm)
Width	20.51 in (52.1 cm)
Depth	33.35 in (84.7 cm)
Net Weight	551.16 lb(US) (250 kg)
Usb Compatible	No

Input

Input Frequency	40 - 70 Hz
Number Of Input Connectors	1 Hard Wire 4-wire (3PH + G)
Efficiency At Full Load	408...552 V 480 V
Maximum Input Current Per Phase	154 A
Maximum Short Circuit Withstand (Icw)	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
Wave 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

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	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 (0.00…15240.00 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

Ordering and shipping details

Gtin	731304641612

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	66.14 in (168 cm)
Package 1 Width	38.98 in (99 cm)
Package 1 Length	25.20 in (64 cm)
Package 1 Weight	606.27 lb(US) (275 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

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