

Product data sheet

Specifications



Galaxy VS UPS 100kW 480V with N+1 power module for external batteries, Start-up 5x8

GVSUPS100KRGS

Overview

Presentation	Highly efficient, easy-to-deploy 100kW, 480V 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. Includes 5x8 start-up service and one additional power module for N+1 redundancy.
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
Battery Type	External battery system Li-Ion (Lithium Ion) VRLA
Provided equipment	Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-Up Service
Range of Product	Galaxy VS
Range Compatibility	Galaxy VS

Batteries & Runtime

Battery Voltage	480-576VDC
End of Discharge Battery Voltage	384 V DC
End of Discharge Maximum Battery Current	270 A

General

Bypass Voltage Tolerance	+/- 10 %
Redundant	Yes
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	639.3 lb(US) (290 kg)

Input

Input Frequency	40 - 70 Hz
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	149 A
Maximum Short Circuit Withstand (I _{cw})	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

Output

Max Configurable Power (Watts)	100 kW
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz +/- 0.1 % for 60 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 < 5% 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	IEC 62040-1-1 IEC 62040-2 UL 1778 5th edition FCC Part 15 class A IEC 60721-4-2 Level 2M2 UL 924 Listed
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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...3300 ft
Ambient Air Temperature for Storage	-13...131 °F (-25...55 °C)
Storage Relative Humidity	10...80 % non-condensing
acoustic level	64 dBA
Online Thermal Dissipation	9499 Btu/h
IP degree of protection	IP21

Communications & Management

Control panel	Touch Screen LCD User Interface
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Ordering and shipping details

GTIN 731304418535

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	25.2 in (64 cm)
Package 1 Length	39.0 in (99 cm)
Package 1 Weight	551.2 lb(US) (250 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-CO₂ products.

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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](#)

Image of product / Alternate images

Alternative

