

Product data sheet

Specifications



Galaxy VS UPS 100kW 400V, 3 internal 9Ah smart modular battery strings expandable to 5, Start-up 5x8

GVSUPS100KB5HS

Overview

Presentation Highly efficient, easy-to-deploy 100kW, 400V 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 3 smart modular high capacity battery strings, expandable to 5 strings for extended runtime. See the battery runtime chart for details.

Lead time Usually Ships within 2 Weeks

Main

Main Input Voltage 400 V 3 phase

Other Input Voltage 380 V
415 V

Main Output Voltage 400 V 3 phase

Other Output Voltage 380 V
415 V

Rated power in W 100 kW

Rated power in VA 100 kVA

Battery Type Internal modular battery
VRLA

Provided equipment Dust filter
Installation manual
Integrated network management
Battery modules ship installed
Start-Up Service
EcoStruxure Ready

Batteries & Runtime

Battery Voltage 480V

End of Discharge Battery Voltage 384 V

End of Discharge Maximum Battery Current 271 A

Battery power in VAH 0 VAh runtime

Extendable Run Time 0

General

Redundant No

Physical

Color	White
Height	77.56 in (197 cm)
Width	21.65 in (55 cm)
Depth	33.35 in (84.7 cm)
Product Weight	1499.14 lb(US) (680 kg)
USB compatible	No

Input

Input Frequency	40 - 70 Hz
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	180 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
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/- 5% after 2ms +/-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	IEC 62040-1-1 IEC 62040-2 OSHDP
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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	5...104 °F (-15...40 °C)
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0...10000 ft (0.00...3048.00 m)

Acoustic level	65 dBA
Online Thermal Dissipation	12377 Btu/h
IP degree of protection	IP20

Communications & Management

Control panel	Touch Screen LCD User Interface
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Ordering and shipping details

GTIN	731304410034
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	81.97 in (208.2 cm)
Package 1 Width	39.76 in (101 cm)
Package 1 Length	29.72 in (75.5 cm)
Package 1 Weight	595.25 lb(US) (270 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Recommended replacement(s)