

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 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 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

General

Redundant No

Physical

Colour White

Height 197 cm

Width 55 cm

Depth 84.7 cm

Net weight 680 kg

USB compatible No

Input

Network frequency	40...70 Hz
Input voltage limits	340...460 V 400 V
Maximum input current	180 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
Crest factor	2.5
Wave type	Sine wave
Output voltage tolerance	+/- 5% after 2ms +/-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

Standards	IEC 62040-1-1 IEC 62040-2 OSHDP
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Environmental

Ambient air temperature for operation	0...40 °C
Relative humidity	0...95 % non-condensing
Operating altitude	0...3300 ft
Ambient air temperature for storage	-15...40 °C
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0.00...3048.00 m
Acoustic level	65 dBA
Heat dissipation	12377 Btu/h
IP degree of protection	IP20

Batteries & Runtime

Battery voltage	480 V
Discharge battery voltage	384 V
Max current discharge	271 A

Battery power in VAH	0 VAh runtime
Extended runtime	0

Communications & Management

Control panel	Touch screen LCD user interface
Alarm	Audible and visible alarms prioritized by severity

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	208.2 cm
Package 1 Width	101 cm
Package 1 Length	75.5 cm
Package 1 Weight	270 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
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)