

## Technical Specifications

Galaxy VS UPS 100kW 400V, 3 internal 9Ah smart modular battery strings expandable to 5, Start-up 5x8 | GVSUPS100KB5HS | Downloaded on 04/08/2024 (EST)



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

GVSUPS100KB5HS

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- 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.
- Includes: Battery modules ship installed, Dust filter, EcoStruxure Ready, Installation manual, Integrated network management, Start-up service

Output	
Output power capacity	100.0kWatts / 100.0kVA
Max Configurable Power (Watts)	100.0kWatts / 100.0kVA
Nominal Output Voltage	400V 3PH
Output Voltage Distortion	Less than 3 %
Output Frequency (sync to mains)	50 Hz Sync to mains, 60 Hz Sync to mains
Other Output Voltages	380 V, 415 V
Load Crest Factor	2.5
Waveform type	Sine wave
Overload Operation	10 minutes at 125% and 60 seconds at 150%
Output Voltage THD	< 1% linear load and < 3% non-linear load
Output Voltage Tolerance	+/- 5% after 2ms, +/-1% after 50ms
Bypass	Built-in static bypass

Input	
Nominal Input Voltage	400V 3PH
Input frequency	40 - 70 Hz
Input voltage range for main operations	340 - 460 (400 V)V
Input Total Harmonic Distortion	Less than 3 % for full load
Other Input Voltages	380 V, 415 V
Maximum Short Circuit Withstand (Icw)	65.0kAmps

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Input	
Maximum Input Current	180.0A
Input Power Factor at Full Load	0.99

Batteries & Runtime	
Battery type	Internal modular battery, VRLA
Nominal Battery Voltage	480 V
End of Discharge Maximum Battery Current	271.0A
End of Discharge Battery Voltage	384 V
Efficiency	View Efficiency Graph (Available in Technical Tab on site)

Communications & Management	
Control panel	Touch screen LCD user interface

Physical	
Maximum Height	1970MM, 197.0CM
Maximum Width	550MM, 55.0CM
Maximum Depth	847MM, 84.7CM
Net Weight	680.0KG
Shipping weight	270.0KG
Shipping Height	2082MM, 208.2CM
Shipping Width	1010MM, 101.0CM
Shipping Depth	755MM, 75.5CM
Color	White

Environmental	
Operating Temperature	0 - 40 °C
Operating Relative Humidity	0 - 95 (Non-condensing) %
Operating Elevation	0 - 1005.84meters
Storage Temperature	-15 - 40 °C
Storage Relative Humidity	10 - 80 (Non-condensing) %

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Environmental	
Storage Elevation	0 - 3048meters
Audible noise at 1 meter from surface of unit	65.0dBA
Online thermal dissipation	12377.0BTU/hr
Protection Class	IP20

  

Conformance	
Approvals	IEC 62040-1-1, IEC 62040-2, OSHPD
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up

  

Sustainable Offer Status	
Other Environmental Compliance	China RoHS

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