



Galaxy VS UPS 100kW 400V for External Batteries, Start-up 5x8

GVSUPS100KHS

Call for More Information 0800 115308

- Highly efficient, easy-to-deploy 100kW, 400V 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 ECOConversion 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.
- Includes: Dust filter, Installation guide, Integrated network management, Power modules ship installed, Start-Up Service, Top and bottom cable entry

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, 60 Hz
Output Frequency (not synced)	60Hz +/- 0.1% for 60Hz nominal, 50Hz +/- 0.1% for 50Hz nominal
Other Output Voltages	380, 415
Load Crest Factor	2.5
Topology	Double Conversion Online
Waveform type	Sine wave
Overload Operation	150% for 1 minute 125% for 10 minutes
Output Voltage THD	<1% linear load and <3% non-linear load
Output Voltage Tolerance	+/-1% after 50ms
Bypass	Built-in Static Bypass

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.

Technical Specifications

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Input	
Nominal Input Voltage	400V 3PH
Input frequency	40 - 70 Hz
Input Connections	Hard Wire 4-wire (3PH + G), Hard Wire 5-wire (3PH + N + G)
Input voltage range for main operations	340 - 460 (400V)V
Input Total Harmonic Distortion	Less than 3% for full load
Other Input Voltages	380, 415
Maximum Short Circuit Withstand (Icw)	65.0kAmps
Maximum Input Current	182.0A
Input Power Factor at Full Load	0.99

Batteries & Runtime	
Battery type	No internal battery - uses external battery system
Nominal Battery Voltage	480-576VDC
End of Discharge Maximum Battery Current	271.0A
End of Discharge Battery Voltage	384 Vdc
Efficiency	View Efficiency Graph (Available in Technical Tab on site)

Communications & Management	
Interface Port(s)	GVS_Parallel, GVS_WideUPS_AirFilter, GVS_WideUPSMBC_SeismicKit
Control panel	Touch Screen LCD User Interface
Audible Alarm	Audible and visible alarms prioritized by severity
Available SmartSlot™ Interface Quantity	1

Physical	
Maximum Height	1485MM, 148.5CM
Maximum Width	521MM, 52.1CM
Maximum Depth	847MM, 84.7CM
Net Weight	250.0KG
Shipping weight	275.0KG
Shipping Height	1680MM, 168.0CM

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Physical	
Shipping Width	640MM, 64.0CM
Shipping Depth	990MM, 99.0CM
Color	Gloss level 85%, RAL 9003

Environmental	
Operating Temperature	0 - 40 °C
Operating Relative Humidity	0 - 95 (non-condensing) %
Operating Elevation	0-984,3meters
Storage Temperature	-25 to 55 °C
Storage Relative Humidity	10 - 80 (non-condensing) %
Storage Elevation	0-15000meters
Audible noise at 1 meter from surface of unit	65.0dBA
Online thermal dissipation	9499.4BTU/hr
Protection Class	IP 21

Conformance	
Approvals	CSA C22.2 NO. 107.3, EN/IEC 62040-1, EN/IEC 62040-2, EN/IEC 62040-3, FCC Part 15 Class A, IEC 60721-4-2 Level 2M2, UL 1778 5th edition
Standard warranty	1 year on-site repair or replace with factory authorized Start-Up

General	
Max Bypass Input Current	161.0A

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