

GVSUPS100KHS

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



Overview

Description	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.
Model Name	Galaxy VS UPS 100kW 400V for External Batteries, Start-up 5x8
Includes	Dust filter, Installation guide, Integrated network management, Power modules ship installed, Start-Up Service, Top and bottom cable entry
Standard Lead Time	Usually Ships within 2 Weeks
Product Distribution	Afghanistan, Algeria, Angola, Argentina, Armenia, Aruba, Australia, Austria, Azerbaijan, Bahrain, Belarus, Belgium, Benin, Bhutan, Bolivia, Bosnia And Herzegovina, Botswana, Brazil, Brunei Darussalam, Bulgaria, Burkina Faso, Burundi, Cameroon, Cayman Islands, Central African Republic, Chad, Chile, China, Congo, CONGO, THE DEMOCRATIC REPUBLIC OF THE, Cook Islands, Cote D'Ivoire, Croatia, Cyprus, Czech Republic, Denmark, Djibouti, East Timor, Egypt, Equatorial Guinea, Estonia, Ethiopia, Fiji, Finland, France, Gabon, Gambia, Georgia, Germany, Ghana, Greece, Guinea, Hong Kong, Hungary, Iceland, Indonesia, Iran (Islamic Republic Of), Iraq, Ireland, Israel, Italy, Jamaica, Jordan, Kazakhstan, Kenya, KOREA, REPUBLIC OF, Kuwait, Latvia, Lebanon, Lesotho, Liberia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malawi, Malaysia, Mali, Malta, Martinique, Mauritania, Mauritius, Moldova, Republic Of, Mongolia, Morocco, Mozambique, Namibia, Netherlands, New Zealand, Niger, Nigeria, Norway, Oman, Pakistan, Papua New Guinea, Paraguay, Peru, Philippines, Poland, Portugal, Qatar, Romania, Russian Federation, Rwanda, Saudi Arabia, Senegal, Sierra Leone, Singapore, Slovakia (Slovak Republic), Slovenia, Somalia, South Africa, Spain, Sri Lanka, Sudan, Suriname, Sweden, Switzerland, Taiwan, TANZANIA, UNITED REPUBLIC OF, Thailand, Togo, Tunisia, Turkey, Turkmenistan, Uganda, Ukraine, United Arab Emirates, Uruguay, Uzbekistan, Viet Nam, Western Sahara, Yemen, Zambia, Zimbabwe

General

Bypass Voltage Tolerance	+/-10%
Max Bypass Input Current	161 A

Output

Output Power Capacity	100.0 KW / 100.0 kVA
Max Configurable Power (Watts)	100.0 KW / 100.0 kVA

Nominal Output Voltage	400 3PH
Output Voltage Distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz , 60 Hz
Other Output Voltages	380, 415V
Crest Factor	2.5
Crest Factor	Double Conversion Online
Waveform Type	Sine wave
Output Connections	(1) Hard Wire 5-wire (3PH + N + G) (Battery Backup)
Output Voltage Tolerance	+/-1% after 50ms
Output Voltage THD	<1% linear load and <3% non-linear load
Overload Operation	150% for 1 minute 125% for 10 minutes
Bypass	Built-in Static Bypass

Input

Nominal Input Voltage	400 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
Other Input Voltages	380 , 415
Maximum Input Current	182 A
Maximum Short Circuit Withstand (Icw)	65.0
Input Total Harmonic Distortion	Less than 3% for full load

Batteries & Runtime

Battery Type	No internal battery - uses external battery system
Nominal Battery Voltage	480-576VDC
End of Discharge Battery Voltage	384 Vdc
End of Discharge Maximum Battery Current	271 A

Communications & Management

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

Physical

Maximum Height	1485.0 mm
Maximum Width	521.0 mm
Maximum Depth	847.0 mm
Net Weight	250.0 kg
Shipping Weight	275.0 kg
Shipping Height	1680.0 mm
Shipping Width	640.0 mm
Shipping Depth	990.0 mm
Color	Gloss level 85% , RAL 9003

Environmental

Operating Environment	0 - 40 °C
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Operating Relative Humidity	0 - 95 (non-condensing) %
Operating Elevation	0-984.3 meters
Storage Temperature	-25 to 55 °C
Storage Relative Humidity	10 - 80 (non-condensing) %
Storage Elevation	0-15000 meters
Audible noise at 1 meter from surface of unit	65.000 dB
Online Thermal Dissipation	9499.400 BTU/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