

# GVSUPS20KFS

## Galaxy VS UPS 20kW 208V for External Batteries, Start-up 5x8



### Overview

Description	Highly efficient, easy-to-deploy 20kW, 208V 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 20kW 208V 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	Anguilla , Antigua And Barbuda , Aruba , Bahamas , Barbados , Belize , Bermuda , Brazil , Canada , Colombia , Costa Rica , Cuba , Dominican Republic , Ecuador , El Salvador , Falkland Islands (Malvinas) , Guatemala , Guyana , Haiti , Honduras , Jamaica , Mexico , Netherlands Antilles , Nicaragua , Panama , Puerto Rico , Trinidad And Tobago , United States , Venezuela , VIRGIN ISLANDS (UNITED STATES)

### General

Bypass Voltage Tolerance	+/-10%
Max Bypass Input Current	70 A

### Output

Output Power Capacity	20.0 KW / 20.0 kVA
Max Configurable Power (Watts)	20.0 KW / 20.0 kVA
Nominal Output Voltage	208 3PH
Output Voltage Distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz , 60 Hz
Other Output Voltages	200, 220V
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	208 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	177 - 239 (208V) V
Other Input Voltages	200 , 220
Maximum Input Current	74 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	384-480VDC
End of Discharge Battery Voltage	307 VDC
End of Discharge Maximum Battery Current	68 A

## Communications & Management

Interface Port(s)	GVS_Cable2ndBatCab , GVS_MBCKIT_UL , GVS_NarrowCBC_Seismic , GVS_NarrowSeismicKit , GVS_Parallel , GVS_WideCBC_Seismic , GVS_WideUPSMBC_SeismicKit , GVS_WideUPS_AirFilter , GVS_XFMRSeismicKit
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	210.0 kg
Shipping Weight	235.0 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
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

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Online Thermal Dissipation	4018.800 BTU/hr
Protection Class	IP 21

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### Conformance

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

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