

# GVSUPS50KFS

## Galaxy VS UPS 50kW 208V for External Batteries, Start-up 5x8



GVSUPS50KFS has not been replaced. Please contact your customer care center for more information.

### Overview

Description	Highly efficient, easy-to-deploy 50kW, 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 50kW 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) , Guadeloupe , Guatemala , Guyana , Haiti , Honduras , Jamaica , Mexico , Netherlands Antilles , Nicaragua , Panama , Puerto Rico , Trinidad And Tobago , Turks And Caicos Islands , United States , Venezuela , VIRGIN ISLANDS (UNITED STATES)

### General

Bypass Voltage Tolerance	+/-10%
Max Bypass Input Current	175 A

### Output

Output Power Capacity	50.0 KW / 50.0 kVA
Max Configurable Power (Watts)	50.0 KW / 50.0 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	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	384-480VDC
End of Discharge Battery Voltage	307 VDC
End of Discharge Maximum Battery Current	170 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	58.46 inches (1485.0 mm)
Maximum Width	20.51 inches (521.0 mm)
Maximum Depth	33.35 inches (847.0 mm)
Net Weight	551.16 lbs (250.0 kg)
Shipping Weight	606.27 lbs (275.0 kg)
Shipping Height	66.14 inches (1680.0 mm)
Shipping Width	25.2 inches (640.0 mm)
Shipping Depth	38.98 inches (990.0 mm)
Color	Gloss level 85% , RAL 9003

## Environmental

Operating Environment	32 - 104 °F (0 - 40 °C)
Operating Relative Humidity	0 - 95 (non-condensing) %
Operating Elevation	0-3281 feet (0-984.3 meters)
Storage Temperature	@ERROR - @ °F (-25 to 55 °C)
Storage Relative Humidity	10 - 80 (non-condensing) %
Storage Elevation	0-50000 feet (0-15000 meters)
Audible noise at 1 meter from surface of unit	65.000 dB

Online Thermal Dissipation	10758.400 BTU/hr
Protection Class	IP 21

### Conformance

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

### Sustainable Offer Status

RoHS	Compliant
REACH	REACH: Contains SVHCs
REACH SVHC	Lead CAS#7439-92-1 20-40%
Battery Directive	Compliant