



Galaxy VS UPS 80kW 480V for External Batteries, Start-up 5x8

GVSUPS80KGS

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- Highly efficient, easy-to-deploy 80kW, 480V 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	80.0kWatts / 80.0kVA
Max Configurable Power (Watts)	80.0kWatts / 80.0kVA
Nominal Output Voltage	480V 3PH
Output Voltage Distortion	Less than 3 %
Output Frequency (sync to mains)	50 Hz +/- 0.1 % For 50 Hz nominal Unsynchronised, 50 Hz Sync to mains, 60 Hz +/- 0.1 % For 60 Hz nominal Unsynchronised, 60 Hz Sync to mains
Load Crest Factor	2.5
Topology	Double conversion online
Waveform type	Sine wave
Overload Operation	10 minutes at 125% and 60 seconds at 150%
Output Connections	(1) Hard wire 4-wire (3P + E) (1) Hard wire 5-wire (3P + N + E)
Output Voltage THD	< 1% linear load and < 3% non-linear load
Output Voltage Tolerance	+/-1% after 50ms
Bypass	Built-in static bypass

Input	
Nominal Input Voltage	480V 3PH
Input frequency	40 - 70 Hz

Disclaimer: 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's applications.

Technical Specifications

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Input	
Input Connections	Hard wire 3-wire (3P + E)
Input voltage range for main operations	408 - 552 (480 V)V
Input Total Harmonic Distortion	Less than 3 % for full load
Maximum Short Circuit Withstand (Icw)	65.0kAmps
Maximum Input Current	124.0A
Input Power Factor at Full Load	0.99

Batteries & Runtime	
Battery type	External battery system
Nominal Battery Voltage	384...576 V DC
End of Discharge Maximum Battery Current	216.0A
End of Discharge Battery Voltage	307 V DC
Efficiency	View Efficiency Graph (Available in Technical Tab on site)

Communications & Management	
Interface Port(s)	GVS_Cable2ndBatCab, GVS_MBCKIT_UL, GVS_NarrowCBC_Seismic, GVS_NarrowSeismicKit, GVS_Parallel, GVS_WideCBC_Seismic, GVS_WideUPS_AirFilter, GVS_WideUPSMBC_SeismicKit, GVS_XFMRSeismicKit
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
Shipping Width	640MM, 64.0CM
Shipping Depth	990MM, 99.0CM

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Technical Specifications

Physical	
Color	Gloss level 85%, White

Environmental	
Operating Temperature	0 - 40 °C
Operating Relative Humidity	0 - 95 (Non-condensing) %
Operating Elevation	0 - 1000.05meters
Storage Temperature	-25 - 55 °C
Storage Elevation	0 - 15240meters
Audible noise at 1 meter from surface of unit	61.0dBA
Online thermal dissipation	7449.0BTU/hr
Protection Class	IP21

Conformance	
Approvals	CSA C22.2 No 107.3, ENERGY STAR V2.0 (USA), 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

General	
Max Bypass Input Current	121.0A

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