



Galaxy VS UPS 20kW 400V for External Batteries, Start-up 5x8

GVSUPS20KHS

Call for More Information 021 203 0606

- Highly efficient, easy-to-deploy 20kW, 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	20.0kWatts / 20.0kVA
Max Configurable Power (Watts)	20.0kWatts / 20.0kVA
Nominal Output Voltage	400V 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
Other Output Voltages	380 V, 415 V
Load Crest Factor	2.5
Waveform type	Sine wave
Overload Operation	10 minutes at 125% and 60 seconds at 150%
Output Connections	(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	400V 3PH
Input frequency	40 - 70 Hz
Input Connections	Hard wire 4-wire (3P + E), Hard wire 5-wire (3P + N + E)

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 voltage range for main operations	340 - 460 (400 V)V
Input Total Harmonic Distortion	Less than 3 % for full load
Other Input Voltages	380 V, 415 V
Maximum Short Circuit Withstand (Icw)	65.0kAmps
Maximum Input Current	37.0A
Input Power Factor at Full Load	0.99

Batteries & Runtime	
Battery type	External battery system, Li-Ion (Lithium-Ion), VRLA
Nominal Battery Voltage	384...576 V DC
End of Discharge Maximum Battery Current	68.0A
End of Discharge Battery Voltage	307 V DC
Efficiency	View Efficiency Graph (Available in Technical Tab on site)

Communications & Management	
Interface Port(s)	GVS_Parallel, GVS_WideUPS_AirFilter, GVS_WideUPSMBC_SeismicKit
Control panel	Touch screen LCD user interface
Available SmartSlot™ Interface Quantity	1

Physical	
Maximum Height	1485MM, 148.5CM
Maximum Width	521MM, 52.1CM
Maximum Depth	847MM, 84.7CM
Net Weight	206.0KG
Shipping weight	235.0KG
Shipping Height	1680MM, 168.0CM
Shipping Width	990MM, 99.0CM
Shipping Depth	640MM, 64.0CM
Color	White

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Technical Specifications

Environmental	
Operating Temperature	0 - 40 °C
Operating Relative Humidity	0 - 95 (Non-condensing) %
Operating Elevation	0 - 1000.05meters
Storage Temperature	-25 - 55 °C
Storage Relative Humidity	10 - 80 (Non-condensing) %
Storage Elevation	0 - 15240meters
Audible noise at 1 meter from surface of unit	65.0dBA
Online thermal dissipation	2188.0BTU/hr
Protection Class	IP21

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

Sustainable Offer Status	
Other Environmental Compliance	China RoHS

General	
Max Bypass Input Current	32.0A

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