



## GVSUPS100KHS

RoHS

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 ...

Includes: Dust filter, Installation guide, Integrated network management, Power modules ship installed, Start-up service, Top and bottom cable entry

## Technical Specifications

### Output

<b>Max Configurable Power (Watts)</b>	100.0kWatts / 100.0kVA
<b>Output Voltage Distortion</b>	Less than 3 %
<b>Output Frequency (sync to mains)</b>	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
<b>Other Output Voltages</b>	380 V, 415 V
<b>Load Crest Factor</b>	2.5
<b>Topology</b>	Double conversion online
<b>Waveform type</b>	Sine wave
<b>Overload Operation</b>	10 minutes at 125% and 60 seconds at 150%
<b>Output Voltage THD</b>	< 1% linear load and < 3% non-linear load
<b>Output Voltage Tolerance</b>	+/-1% after 50ms
<b>Bypass</b>	Built-in static bypass

### Input

<b>Input frequency</b>	40 - 70 Hz
<b>Input voltage range for main operations</b>	340 - 460 (400 V)V
<b>Input Total Harmonic Distortion</b>	Less than 3 % for full load
<b>Other Input Voltages</b>	380 V, 415 V
<b>Maximum Short Circuit Withstand (Icw)</b>	65.0kAmps
<b>Input Power Factor at Full Load</b>	0.99

### Batteries & Runtime

<b>Battery type</b>	External battery system
<b>Nominal Battery Voltage</b>	480...576 V DC

<b>End of Discharge Maximum Battery Current</b>	271.0A
<b>End of Discharge Battery Voltage</b>	384 V DC
<b>Efficiency</b>	<a href="#">View Efficiency Graph</a>

### Communications & Management

<b>Interface Port(s)</b>	GVS_Parallel, GVS_WideUPS_AirFilter, GVS_WideUPSMBC_SeismicKit
<b>Control panel</b>	Touch screen LCD user interface
<b>Audible Alarm</b>	Audible and visible alarms prioritized by severity
<b>Available SmartSlot™ Interface Quantity</b>	1

### Physical

<b>Maximum Height</b>	1485MM, 148.5CM
<b>Maximum Width</b>	521MM, 52.1CM
<b>Maximum Depth</b>	847MM, 84.7CM
<b>Net Weight</b>	250.0KG
<b>Shipping weight</b>	275.0KG
<b>Shipping Height</b>	1680MM, 168.0CM
<b>Shipping Width</b>	640MM, 64.0CM
<b>Shipping Depth</b>	990MM, 99.0CM
<b>Color</b>	Gloss level 85%, White

### Environmental

<b>Operating Temperature</b>	0 - 40 °C
<b>Operating Relative Humidity</b>	0 - 95 (Non-condensing) %
<b>Operating Elevation</b>	0 - 1000.05meters
<b>Storage Temperature</b>	-25 - 55 °C
<b>Storage Relative Humidity</b>	10 - 80 (Non-condensing) %
<b>Storage Elevation</b>	0 - 15240meters
<b>Audible noise at 1 meter from surface of unit</b>	65.0dBA
<b>Online thermal dissipation</b>	9499.0BTU/hr
<b>Protection Class</b>	IP21



<b>Approvals</b>	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
<b>Standard warranty</b>	1 year on-site repair or replace with factory authorized Start-Up

### Sustainable Offer Status

<b>RoHS</b>	Compliant
<b>PEP</b>	Available in Documentation tab
<b>Other Environmental Compliance</b>	China RoHS

## General

Max Bypass Input Current

161.0A

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