

# Product data sheet

Specifications



## Galaxy VS UPS 40kW 480V with N+1 power module, for 5 smart modular 9Ah battery strings, Start-up 5x8

GVSUPS40KR0B5GS

### Overview

**Presentation** Highly efficient, easy-to-deploy 40kW, 480V 3-phase UPS that brings best-in-class power protection and low total cost of ownership to edge, small and medium data centers, as well as to critical infrastructure in commercial and industrial applications. This UPS is for up to 5 smart modular high capacity battery strings, but is supplied without batteries, so you can easily customize the battery runtime. Includes 5x8 start-up service and one additional power module for N+1 redundancy.

**Lead time** Usually Ships within 2 Weeks

### Main

**Main Input Voltage** 480 V 3 phase

**Main Output Voltage** 480 V 3 phase

**Kw Rating** 40 kW

**Rated power in VA** 40 kVA

**Battery type** Internal modular battery  
VRLA

**Provided equipment** Dust filter  
Installation manual  
Integrated network management  
Start-Up Service  
EcoStruxure Ready

### Batteries & Runtime

**Battery voltage** 480V

**End of Discharge Battery Voltage** 384 V DC

**End of Discharge Maximum Battery Current** 109 A

**Battery power in VAH** 0 VAh runtime

**Extendable Run Time** 0

### General

**Redundant** No

### Physical

**Color** White

**Height** 77.56 in (197 cm)

**Width** 21.65 in (55 cm)

Depth	33.35 in (84.7 cm)
Net Weight	652.57 lb(US) (296 kg)
USB compatible	No

## Input

Input Frequency	40 - 70 Hz
Efficiency at full load	408...552 V 480 V
Maximum Input Current per Phase	60 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 6 % for full load
Load power factor	From 0.7 leading to 0.7 lagging without any derating
Input Power Factor at Full Load	0.99

## Output

Max Configurable Power (Watts)	40 kW
Harmonic distortion	Less than 3%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output Voltage THD	< 1% linear load and < 3% non-linear load
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	40 kVA

## Conformance

Standards	CSA C22.2 No 107.3 FCC Part 15 class A IEC 62040-1-1 IEC 62040-2 IEC 62040-3 UL 1778 5th edition OSHDP
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## Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3300 ft
Ambient Air Temperature for Storage	5...104 °F (-15...40 °C)
Storage Relative Humidity	10...80 % non-condensing
Storage altitude	0...10000 ft (0.00...3048.00 m)
Acoustic level	54 dBA
Heat dissipation	4728 Btu/h
IP degree of protection	IP20

## Communications & Management

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Control panel Touch Screen LCD User Interface

## Ordering and shipping details

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GTIN 731304409991

## Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	77.56 in (197 cm)
Package 1 Width	21.65 in (55 cm)
Package 1 Length	33.35 in (84.7 cm)
Package 1 Weight	551.16 lb(US) (250 kg)

## Offer Sustainability

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Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
Optimized Energy Efficiency	Energy efficient product
Take-back	Take-back program available

## Contractual warranty

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Warranty 1 year on-site repair or replace with factory authorized Start-Up

## Recommended replacement(s)