

# Product data sheet

Specifications



## Galaxy VS UPS 40kW 400V, 2 internal 9Ah smart modular battery strings, expandable to 4, Start-up 5x8

GVSUPS40KB4HS

### Overview

**Presentation** Highly efficient, easy-to-deploy 40kW, 400V 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. Includes 5x8 start-up service and 2 smart high-capacity modular battery strings, expandable to 4 strings for extended runtime. Runtime charts available in the Documents tab.

**Lead time** Usually Ships within 2 Weeks

### Main

**Main Input Voltage** 400 V 3 phase

**Other Input Voltage** 380 V  
415 V

**Main Output Voltage** 400 V 3 phase

**Other Output Voltage** 380 V  
415 V

**Kw Rating** 40 kW

**Rated power in VA** 40 kVA

**Output connector type** Hard Wire 5-wire (3PH + N + G) 1

**Battery type** Internal modular battery  
VRLA

**Provided equipment** Battery modules ship installed  
Dust filter  
EcoStruxure IT ready (UPS)  
Installation guide  
Integrated network management  
Power modules ship installed  
Start-Up Service

### Batteries & Runtime

**Battery voltage** 480V

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

**End of Discharge Maximum Battery Current** 81 A

**Battery power in VAH** 0 VAh runtime

**Extendable Run Time** 0

### General

**Bypass Voltage Tolerance** +/- 10 %

Redundant	No
-----------	----

## Physical

Color	White
Height	58.46 in (148.5 cm)
Width	20.51 in (52.1 cm)
Depth	33.35 in (84.7 cm)
Net Weight	1014.13 lb(US) (460 kg)
USB compatible	No

## Input

Input Frequency	40 - 70 Hz
Number of input connectors	1 Hard Wire 4-wire (3PH + G) 1 Hard Wire 5-wire (3PH + N + G)
Efficiency at full load	340...460 V 400 V
Maximum Input Current per Phase	54 A
Maximum Short Circuit Withstand (Icw)	65 kA
Input Total Harmonic Distortion	Less than 3% for full load

## Output

Max Configurable Power (Watts)	40 kW
Harmonic distortion	Less than 5%
Output Frequency (sync to mains)	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal not synced 60 Hz +/- 0.1 % for 60 Hz nominal not synced
Crest factor	2.5
Waveform Type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Overload Operation	10 minutes @ 125% and 60 seconds @ 150%
Bypass type	Built-in Static Bypass
Maximum configurable power in VA	40 kVA

## Conformance

Product Certifications	UL 1778 5th edition
Standards	CSA C22.2 No 107.3 EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 IEC 60721-4-2 Level 2M2

## Environmental

Ambient air temperature for operation	32...104 °F (0...40 °C)
Relative Humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient Air Temperature for Storage	5...104 °F (-15...40 °C)

Storage Relative Humidity	0...95 % non-condensing
Storage altitude	0...10000 ft (0.00...3048.00 m)
Acoustic level	61 dBA
Heat dissipation	4658 Btu/h
IP degree of protection	IP20

## Communications & Management

Free slots	1
Control panel	Touch Screen LCD User Interface

## Ordering and shipping details

GTIN	731304406778
------	--------------

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	66.14 in (168 cm)
Package 1 Width	38.98 in (99 cm)
Package 1 Length	25.20 in (64 cm)
Package 1 Weight	1080.27 lb(US) (490 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
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

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

## Recommended replacement(s)