

# Product datasheet

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

### Main

Main Input Voltage	400 V 3 phases
Other Input Voltage	380 V 415 V
Main Output Voltage	400 V 3 phases
Other Output Voltage	380 V 415 V
Rated power in W	40 kW
Rated power in VA	40 kVA
Output connector type	Hard wire 5-wire (3P + N + E) 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

### General

Bypass voltage tolerance	+/- 10 %
Redundant	No

### Physical

Colour	White
Height	148.5 cm
Width	52.1 cm
Depth	84.7 cm
Net weight	460 kg

USB compatible	No
----------------	----

## Input

Network frequency	40...70 Hz
Number of input connectors	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
Input voltage limits	340...460 V 400 V
Maximum input current	54 A
Max short time withstand current	65 kA
Input harmonic distortion	Less than 3 % for full load

## Output

Maximum configurable power in W	40 kW
Harmonic distortion	Less than 5 %
Output frequency	50 Hz sync to mains 60 Hz sync to mains 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised
Crest factor	2.5
Wave type	Sine wave
Output voltage tolerance	+/-1% after 50ms
Output overload operation	10 minutes at 125% and 60 seconds at 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	0...40 °C
Relative humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient air temperature for storage	-15...40 °C
Storage Relative Humidity	0...95 % non-condensing
Storage altitude	0.00...3048.00 m
Acoustic level	61 dBA
Heat dissipation	4658 Btu/h
IP degree of protection	IP20

## Batteries & Runtime

Battery voltage	480 V
-----------------	-------

Discharge battery voltage	384 V DC
Max current discharge	81 A
Battery power in VAH	0 VAh runtime
Extended runtime	0

## Communications & Management

Free slots	1
Control panel	Touch screen LCD user interface
Alarm	Audible and visible alarms prioritized by severity

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	168 cm
Package 1 Width	99 cm
Package 1 Length	64 cm
Package 1 Weight	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>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
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)