

# Product datasheet

Specifications



## Galaxy VS UPS 40kW 400V for External Batteries, Start-up 5x8

GVSUPS40KHS

### Overview

#### Presentation

Highly efficient, easy-to-deploy 40kW, 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.

#### 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	External battery system Li-Ion (Lithium-Ion) VRLA
Provided equipment	Dust filter Installation guide Integrated network management Power modules ship installed Start-up service Top and bottom cable entry

### General

Bypass voltage tolerance	+/- 10 %
Max bypass input current	64 A
Redundant	No

### Physical

Colour	White
Height	148.5 cm

<b>Width</b>	52.1 cm
<b>Depth</b>	84.7 cm
<b>Net weight</b>	206 kg
<b>USB compatible</b>	No

## Input

<b>Network frequency</b>	40...70 Hz
<b>Number of input connectors</b>	1 hard wire 4-wire (3P + E) 1 hard wire 5-wire (3P + N + E)
<b>Input voltage limits</b>	340...460 V 400 V
<b>Maximum input current</b>	74 A
<b>Max short time withstand current</b>	65 kA
<b>Input harmonic distortion</b>	Less than 3 % for full load
<b>Load power factor</b>	From 0.7 leading to 0.7 lagging without any derating
<b>Input Power Factor at Full Load</b>	0.99

## Output

<b>Maximum configurable power in W</b>	40 kW
<b>Harmonic distortion</b>	Less than 3 %
<b>Output frequency</b>	50 Hz sync to mains 60 Hz sync to mains 60 Hz +/- 0.1 % for 60 Hz nominal unsynchronised 50 Hz +/- 0.1 % for 50 Hz nominal unsynchronised
<b>Crest factor</b>	2.5
<b>Wave type</b>	Sine wave
<b>Output voltage tolerance</b>	+/-1% after 50ms
<b>Output harmonic distortion</b>	< 1% linear load and < 3% non-linear load
<b>Output overload operation</b>	10 minutes at 125% and 60 seconds at 150%
<b>Bypass type</b>	Built-in static bypass
<b>Maximum configurable power in VA</b>	40 kVA

## Conformance

<b>Standards</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
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## Environmental

<b>Ambient air temperature for operation</b>	0...40 °C
<b>Relative humidity</b>	0...95 % non-condensing
<b>Operating altitude</b>	0...3281 ft
<b>Ambient air temperature for storage</b>	-25...55 °C
<b>Storage Relative Humidity</b>	10...80 % non-condensing
<b>Storage altitude</b>	0.00...15240.00 m

Acoustic level	65 dBA
Heat dissipation	3845.4 Btu/h
IP degree of protection	IP21

## Batteries & Runtime

Number of battery filled slots	0
Number of battery free slots	0
Battery voltage	384...576 V DC
Discharge battery voltage	307 V DC
Max current discharge	136 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	235 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
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## Recommended replacement(s)