

# Product data sheet

Specifications



## Galaxy VS UPS 40kW 480V with N+1 power module for external batteries, Start-up 5x8

GVSUPS40KRGs

### 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. 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 phases
Main Output Voltage	480 V 3 phases
Rated Power In W	40 kW
Rated Power In Va	40 kVA
Battery Type	External battery system Li-Ion (Lithium-Ion) VRLA
Provided Equipment	Dust filter EcoStruxure IT ready (UPS) Installation guide Integrated network management Power modules ship installed Start-up service

### Batteries & Runtime

Battery Voltage	384...576 V DC
Discharge Battery Voltage	307 V DC
Max Current Discharge	135 A

### General

Bypass Voltage Tolerance	+/- 10 %
Redundant	Yes
Product Or Component Type	Uninterruptible power supply (UPS)

### Physical

Colour	White
Height	148.5 cm
Width	52.1 m
Depth	84.7 cm
Net Weight	250 kg

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Input

Network Frequency	40...70 Hz
Input Voltage Limits	408...552 V 480 V
Maximum Input Current	60 A
Max Short Time Withstand Current	65 kA
Input Harmonic Distortion	Less than 5 % for full load
Load Power Factor	From 0.7 leading to 0.7 lagging without any derating

## Output

Maximum Configurable Power In W	40 kW
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 Harmonic Distortion	< 1% linear load and < 5% non-linear load
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

Standards	IEC 62040-1-1 IEC 62040-2 UL 1778 5th edition FCC part 15 class A IEC 60721-4-2 level 2M2 UL 924
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## Environmental

Ambient Air Temperature For Operation	0...40 °C
Relative Humidity	0...95 % non-condensing
Operating Altitude	0...3300 ft
Ambient Air Temperature For Storage	-25...55 °C
Storage Relative Humidity	10...80 % non-condensing
Acoustic Level	64 dBA
Heat Dissipation	3845 Btu/h
Ip Degree Of Protection	IP21

## Communications & Management

Control Panel	Touch screen LCD user interface
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## Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
Package 1 Height	168 cm
Package 1 Width	64 cm
Package 1 Length	99 cm
Package 1 Weight	250 kg

## Contractual warranty

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

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Energy Efficient   Take-back   Transparency   RoHS/REACH

## Resource performance

✓ Energy Efficient Product

✓ Take-Back Program Available

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

## Certifications & Standards

Reach Regulation   [REACH Declaration](#)

Eu Rohs Directive   Compliant with Exemptions

China Rohs Regulation   [China RoHS declaration](#)

Environmental Disclosure   [Product Environmental Profile](#)

Circularity Profile   [End of Life Information](#)